

KELLY Industrial Supply, Inc.

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Competitive Pricing • Quality Products • Exceptional Customer Service

'The Name in Fasteners'

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TAPE

Electrical Tape	Aluminum Foil Tape	3M™ Electrical Tape	3M™ Reflective Conspicuity Tape
Professional Duct Tape	Self-Fusing Silicone Tape	3M™ Duct Tape	3M™ Safety Walk Surfacing Tape
Utility Grade Masking Tape	Shipping Tape	3M™ Masking Tape	
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Heat Shrink

Dual Wall Heat Shrink Tubing w/ Sealant	Heavy Wall Mil-Spec Heat Shrink Tubing w/ Sealant	Thin Wall Heat Shrink Tubing
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Electrical Components

Fuses	Bussman® In-Line Fuseholders	Thermal Circuit Breakers	Relays
In-Line Fuseholders	Fuse Blocks	Thermal Flashers	
Add-A Circuit Kits	Circuit Breakers	CEC® Thermal Flashers	
Fuse Holders	Bussman® Circuit Breakers	CEC® Electronic Flashers	

Fittings

Brass Pipe Fittings	Brass Quick Connect Air Brake Fitting	Truck Valves	Transmission Brass Fittings
Brass Inverted Flare Fittings	Brass Air Brake Copper Tube Fitting	Hose End 057 'B' Series	Composite Body Push to Connect Fittings
Brass SAE 45° Flare Fitting	Needle Valves	Hose End 105 'B' Series	
Brass Compression Fittings	Drain Cocks	100 'B' Series Barb-Tite™	
Brass Air Brake- Nylon Tubing Fittings	Ground Plug & Multiple Shut-Offs	338 'B' Series	

Hose & Tubing

NT100 "Nylon 11"	Steel Brake Lines for Imported Vehicles	Windsheild Wiper/Vacuum Tubing	Gold Label® HD Quick-Fit® Radiator Hose
PT200 Polyvinyl Chloride	H101 General Purpose Hose	Fuel Line & PCV Hose	Gold Label® HD Straight Radiator Hose
Automotive – General Use	H100 General Purpose Hose	Red Premium Heater Hose	Flexfab Silicone Coolant Hose
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Air Brake	Push On Hose	Heater & Coolant Hose	Pneumatic Disconnects
Steel Brake Tube	Air Brake Hose	Heavy Duty Heater Hose	
Steel Brake Lines for Domestic Vehicles	A6 – SAE 100R6 SAE/USCG Marine Hose	Gold Label® Heavy Duty Heater Hose	

Chemicals

Lubricants	Gasket Makers	Adhesive/Sealants	Sorbents
Degreasers	Threadlockers/Sealants	Specialty Lubricants	Spill Containment
Cleaners	Gasket Maker/Sealants	Hand Cleaner	
Spray Paint	RTV Sealants	Towels	

Safety

Hand Protection	Hearing & Face Protection	High Visibility Protection	First Aid Kits
Eye Protection	Head Protection	Rainwear Protection	

Lubrication Fittings & Accessories

Grease Fittings	Lincoln® Grease Guns	Alemite® Grease Gun & Accessories
Grease Fitting Accessories	Lincoln® Grease Accessories	

Grease, Fluids & Oil

Grease

Abrasives

3M® Abrasives & Accessories	Weiler® Abrasives & Accessories	Kasco® Abrasives & Accessories
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Rivets

Aluminum/Aluminum Rivets	Closed-end Rivets	Marson Hand Rivet Tools	Threaded Insert Tools & Kits
Aluminum/Steel Rivets	Aluminum/Steel Multi-Grip Rivets	Tigerbolt™ Structural Rivet	Air/Hydraulic Tools
Steel/Steel Rivets	Tri-bulb Rivets	Klik-Lock™ Structural Rivet	Sheet Metal Insert Tool
Stainless Steel/ Stainless Steel Rivet	T-Rivets	Magna-Lok® Blind Structural Rivet	Power/Rivet Tool
Countersunk Rivets	Back-up Washers	Klik® Rivet-Nuts/Ribbed	Pneudraulic Installation Rivet Tool

Fasteners

Type F – Floorboard Screws	Type F – Pan Head Screws	Step Bolts	Elevator Bolts
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Chain & Accessories

GR30 Proof Coil Chain – Zinc Plated	Single Jack Chain	Utility Straps	Quick Links	Wire Rope Thimbles
GR43 High Test Chain – Zinc Plated	Clevis Hooks	Logistic Straps	Utility Spring Snaps	Wire Rope Aluminum Sleeves
GR70 Transport Chain – Zinc Plated	Shackles	Rubber Tarp Straps	Double Clevis Links	Swaging Tools
GR80 Alloy Chain	Ratchet Binders	Eye Nuts	Hammerlocks	Rope
Coil Chain – Straight Link	Ratchet Straps	Connecting Links	Aircraft Cable – 1/8" thru 3/8"	S-Hooks
Machine Chain – Straight Link	Winch Straps	Lap Links	Cable Clips	

Wire & Cable

Automotive Primary GPT Wire	Automotive GXL Wire	Automotive Bonded WPB Wire	Automotive Brake Cable	Trailer Cable - PVC
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Battery Cable

6 Gauge	4 Gauge	2 Gauge	1 Gauge	1/0 Gauge	2/0 Gauge	3/0 Gauge	4/0 Gauge
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Welding Cable

6 Gauge	4 Gauge	2 Gauge	1 Gauge	1/0 Gauge	2/0 Gauge	3/0 Gauge	4/0 Gauge
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Cable Ties

Natural Nylon Cable Ties	Mounting Hole Ties	Dual Clamp Ties	Stainless Steel Ties	Mounting Base
Black Ultra Violet Resistant Cable Ties	Push Mount Ties	Button Head Ties	Cable Tie Tools	Push Button Mount
Heavy Duty Cable Ties	Tree Push Mount Ties	Identification Ties	T & B – Standard Cable Ties	Adhesive Clips
Nylon Colored Cable Ties	Releasable Ties	Identification Plate	T & B –Heavy Duty Cable Ties	Cable Clamps
Stud Mount Ties	Handi-Cuff Ties	Heat Stabilized Ties	Stud Cable Mount	Spiral Wrapping

Clamps

Vinyl Coated Wire & Tube Half Clamps	Miniature Clamps	Hi-Torque® Heavy Duty Clamps	Tridon® Hose Clamps
Vinyl Coated Wire & Tube Clamps	Power Seal® Clamps	Euro-Seal® Clamps	
Partially Cushioned Wire & Tube Clamps	Liner Clamps	T-Bolt Clamps	
Partially Cushioned Wire & Tube Clamp – Stainless Steel	Marine Grade Clamps	Constant-Torque® Clamps	

Convulated Split Loom

Black Polyethylene	Multi-Color Polyethylene	Woven Cotton Fabric Loom
Hi-Temp Nylon	Black Tee Loom Fitting	Expandable Sleeving

Assortment Kits

Call Toll Free: 1-877-429-8266

24 Hour Fax: 1-610-429-8277



Vinyl insulated ring terminals consist of the standard butted seam non-insulated terminal with a color coded vinyl jacket molded into place. Most vinyl insulated ring terminals feature funnel entry for easy wire insertion. Funnel wire entrance into electrical barrel eliminates wire strand “hang-up”, increases crimping rates and wire termination reliability.

22-18 GA Ring Connectors

Item#	Description	Qty
R4R	22-18 GA VINYL 4 RING CONNECTOR	100/pk
R6R	22-18 GA VINYL 6 RING CONNECTOR	100/pk
R8R	22-18 GA VINYL 8 RING CONNECTOR	100/pk
R10R	22-18 GA VINYL 10 RING CONNECTOR	100/pk
R14R	22-18 GA VINYL 1/4 RING CONNECTOR	100/pk
R516R	22-18 GA VINYL 5/16 RING CONNECTOR	100/pk
R38R	22-18 GA VINYL 3/8 RING CONNECTOR	100/pk



16-14 GA Ring Connectors

Item#	Description	Qty
B4R	16-14 GA VINYL 4 RING CONNECTOR	100/pk
B6R	16-14 GA VINYL 6 RING CONNECTOR	100/pk
B8R	16-14 GA VINYL 8 RING CONNECTOR	100/pk
B10R	16-14 GA. VINYL 10 RING CONNECTOR	100/pk
B14R	16-14 GA VINYL 1/4 RING CONNECTOR	100/pk
B516R	16-14 GA VINYL 5/16 RING CONNECTOR	100/pk
B38R	16-14 GA VINYL 3/8 RING CONNECTOR	100/pk
B12R	16-14 GA VINYL 1/2 RING CONNECTOR	100/pk



12-10 GA Ring Connectors

Item#	Description	Qty
Y6R	12-10 GA VINYL 6 RING CONNECTOR	50/pk
Y8R	12-10 GA VINYL 8 RING CONNECTOR	50/pk
Y10R	12-10 GA VINYL 10 RING CONNECTOR	50/pk
Y14R	12-10 GA VINYL 1/4 RING CONNECTOR	50/pk
Y516R	12-10 GA VINYL 5/16 RING CONNECTOR	50/pk
Y38R	12-10 GA VINYL 3/8 RING CONNECTOR	50/pk
Y12R	12-10 GA VINYL 1/2 RING CONNECTOR	50/pk



RING TERMINALS - NYLON



Nylon insulated ring terminals start as a standard butted seam terminal. A tin-plated brass sleeve strengthens the barrel and secures wire to protect against stress and vibration. The permanently-attached color coded nylon insulating sleeve extends beyond the metal support sleeve. The funnel wire entrance into the electrical barrel eliminates wire strand “hang-up”, increases crimping rates and wire termination reliability.

22-18 GA Ring Connectors

Item#	Description	Qty
RN4R	22-18 GA NYLON 4 RING CONNECTOR	100/PK
RN6R	22-18 GA NYLON 6 RING CONNECTOR	100/PK
RN8R	22-18 GA NYLON 8 RING CONNECTOR	100/PK
RN10R	22-18 GA NYLON 10 RING CONNECTOR	100/PK
RN14R	22-18 GA NYLON 1/4 RING CONNECTOR	100/PK
RN516R	22-18 GA NYLON 5/16 RING CONNECTOR	100/PK
RN38R	22-18 GA NYLON 3/8 RING CONNECTOR	100/PK



16-14 GA Ring Connectors

Item#	Description	Qty
BN4R	16-14 GA NYLON 4 RING CONNECTOR	100/PK
BN6R	16-14 GA NYLON 6 RING CONNECTOR	100/PK
BN8R	16-14 GA NYLON 8 RING CONNECTOR	100/PK
BN10R	16-14 GA NYLON 10 RING CONNECTOR	100/PK
BN14R	16-14 GA NYLON 1/4 RING CONNECTOR	100/PK
BN516R	16-14 GA NYLON 5/16 NYLON CONNECTOR	100/PK
BN38R	16-14 GA NYLON 3/8 RING CONNECTOR	100/PK
BN12R	16-14 GA NYLON 1/2 RING CONNECTOR	100/PK



12-10 GA Ring Connectors

Item#	Description	Qty
YN6R	12-10 GA NYLON 6 RING CONNECTOR	50/PK
YN8R	12-10 GA NYLON 8 RING CONNECTOR	50/PK
YN10R	12-10 GA NYLON 10 RING CONNECTOR	50/PK
YN14R	12-10 GA NYLON 1/4 RING CONNECTOR	50/PK
YN516R	12-10 GA NYLON 5/16 RING CONNECTOR	50/PK
YN38R	12-10 GA NYLON 3/8 RING CONNECTOR	50/PK
YN12R	12-10 GA NYLON 1/2 RING CONNECTOR	50/PK





Spade Terminals are available in several styles, including the standard spade, the black spade, the flanged black spade and the snap spade. The block spade and flanged block spade are popular for use with terminal blocks as they are the narrowest styles and fit most terminal blocks. Also, the snap spade will snap and hold in place for a more secure connection. All nylon and vinyl insulated types have funnel entry to speed wire insertion. Plus, each spade terminal is color coded by wire gauge: 22-18 size (red), 16-14 (blue), 12-10 size (yellow).

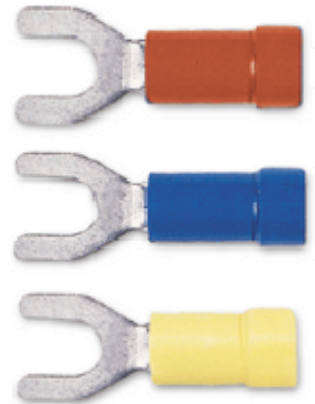
Nylon – Spade Terminals

Item#	Description	Qty
RN6S	22-18 GA NYLON 6 SPADE CONNECTOR	100/PK
RN8S	22-18 GA NYLON 8 SPADE CONNECTOR	100/PK
RN10S	22-18 GA NYLON 10 SPADE CONNECTOR	100/PK
BN6S	16-14 GA NYLON 6 SPADE CONNECTOR	100/PK
BN8S	16-14 GA NYLON 8 SPADE CONNECTOR	100/PK
BN10S	16-14 GA NYLON 10 SPADE CONNECTOR	100/PK
YN6S	12-10 GA NYLON 6 SPADE CONNECTOR	50/PK
YN8S	12-10 GA NYLON 8 SPADE CONNECTOR	50/PK
YN10S	12-10 GA NYLON 10 SPADE CONNECTOR	50/PK



Vinyl – Spade Terminals

Item#	Description	Qty
R6S	22-18 GA VINYL 6 SPADE CONNECTOR	100/PK
R8S	22-18 GA VINYL 8 SPADE CONNECTOR	100/PK
R10S	22-18 GA VINYL 10 SPADE CONNECTOR	100/PK
B6S	16-14 GA VINYL 6 SPADE CONNECTOR	100/PK
B8S	16-14 GA VINYL 8 SPADE CONNECTOR	100/PK
B10S	16-14 GA VINYL 10 SPADE CONNECTOR	100/PK
Y6S	12-10 GA VINYL 6 SPADE CONNECTOR	50/PK
Y8S	12-10 GA VINYL 8 SPADE CONNECTOR	50/PK
Y10S	12-10 GA VINYL 10 SPADE CONNECTOR	50/PK



Nylon – Block Spade Terminals

Item#	Description	Qty
RN4SN	22-18 GA NYLON 4 BLOCK SPADE CONNECTOR	100/PK
RN6SN	22-18 GA NYLON 6 BLOCK SPADE CONNECTOR	100/PK
RN8SN	22-18 GA NYLON 8 BLOCK SPADE CONNECTOR	100/PK
RN10SN	22-18 GA NYLON 10 BLOCK SPADE CONNECTOR	100/PK
BN4SN	16-14 GA NYLON 4 BLOCK SPADE CONNECTOR	100/PK
BN6SN	16-14 GA NYLON 6 BLOCK SPADE CONNECTOR	100/PK
BN8SN	16-14 GA NYLON 8 BLOCK SPADE CONNECTOR	100/PK
BN10SN	16-14 GA NYLON 10 BLOCK SPADE CONNECTOR	100/PK
YN6SN	12-10 GA NYLON 6 BLOCK SPADE CONNECTOR	50/PK
YN8SN	12-10 GA NYLON 8 BLOCK SPADE CONNECTOR	50/PK
YN10SN	12-10 GA NYLON 10 BLOCK SPADE CONNECTOR	50/PK



Vinyl – Block Spade Terminals

Item#	Description	Qty
<u>R4SN</u>	22-18 GA VINYL 4 BLOCK SPADE CONNECTOR	100/PK
<u>R6SN</u>	22-18 GA VINYL 6 BLOCK SPADE CONNECTOR	100/PK
<u>R8SN</u>	22-18 GA VINYL 8 BLOCK SPADE CONNECTOR	100/PK
<u>R10SN</u>	22-18 GA VINYL 10 BLOCK SPADE CONNECTOR	100/PK
<u>B4SN</u>	16-14 GA VINYL 4 BLOCK SPADE CONNECTOR	100/PK
<u>B6SN</u>	16-14 GA VINYL 6 BLOCK SPADE CONNECTOR	100/PK
<u>B8SN</u>	16-14 GA VINYL 8 BLOCK SPADE CONNECTOR	100/PK
<u>B10SN</u>	16-14 GA VINYL 10 BLOCK SPADE CONNECTOR	100/PK
<u>Y6SN</u>	12-10 GA VINYL 6 BLOCK SPADE CONNECTOR	50/PK
<u>Y8SN</u>	12-10 GA VINYL 8 BLOCK SPADE CONNECTOR	50/PK
<u>Y10SN</u>	12-10 GA VINYL 10 BLOCK SPADE CONNECTOR	50/PK



Nylon – Flanged Fork Terminals

Item#	Description	Qty
<u>RN6F</u>	22-18 GA NYLON 6 FLANGED FORK CONNECTOR	100/BK
<u>RN8F</u>	22-18 GA NYLON 8 FLANGED FORK CONNECTOR	100/BK
<u>RN10F</u>	22-18 GA NYLON 10 FLANGED FORK CONNECTOR	100/BK
<u>BN6F</u>	16-14 GA NYLON 6 FLANGED FORK CONNECTOR	100/BK
<u>BN8F</u>	16-14 GA NYLON 8 FLANGED FORK CONNECTOR	100/BK
<u>BN10F</u>	16-14 GA NYLON 10 FLANGED FORK CONNECTOR	100/BK
<u>YN6F</u>	12-10 GA. NYLON 6 FLANGED FORK CONNECTOR	50/BK
<u>YN8F</u>	12-10 GA. NYLON 8 FLANGED FORK CONNECTOR	50/BK
<u>YN10F</u>	12-10 GA. NYLON 10 FLANGED FORK CONNECTOR	50/BK



Vinyl – Flanged Fork Terminals

Item#	Description	Qty
<u>R6F</u>	22-18 GA VINYL 6 FLANGED FORK CONNECTOR	100/BK
<u>R8F</u>	22-18 GA VINYL 8 FLANGED FORK CONNECTOR	100/BK
<u>R10F</u>	22-18 GA VINYL 10 FLANGED FORK CONNECTOR	100/BK
<u>B6F</u>	16-14 GA VINYL 6 FLANGED FORK CONNECTOR	100/BK
<u>B8F</u>	16-14 GA VINYL 8 FLANGED FORK CONNECTOR	100/BK
<u>B10F</u>	16-14 GA VINYL 10 FLANGED FORK CONNECTOR	100/BK
<u>Y6F</u>	12-10 GA. VINYL 6 FLANGED FORK CONNECTOR	50/BK
<u>Y8F</u>	12-10 GA. VINYL 8 FLANGED FORK CONNECTOR	50/BK
<u>Y10F</u>	12-10 GA. VINYL 10 FLANGED FORK CONNECTOR	50/BK



Nylon – Spring Snap Spade Terminals

Item#	Description	Qty
<u>RN6SS</u>	<u>22-18 GA NYLON 6 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>RN8SS</u>	<u>22-18 GA NYLON 8 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>RN10SS</u>	<u>22-18 GA NYLON 10 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>BN6SS</u>	<u>16-14 GA NYLON 6 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>BN8SS</u>	<u>16-14 GA NYLON 8 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>BN10SS</u>	<u>16-14 GA NYLON 10 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>YN6SS</u>	<u>12-10 GA. NYLON 6 SPRING SNAP SPADE CONNECTOR</u>	<u>50/BK</u>
<u>YN8SS</u>	<u>12-10 GA. NYLON 8 SPRING SNAP SPADE CONNECTOR</u>	<u>50/BK</u>
<u>YN10SS</u>	<u>12-10 GA. NYLON 10 SPRING SNAP SPADE CONNECTOR</u>	<u>50/BK</u>



Vinyl – Spring Snap Spade Terminals

Item#	Description	Qty
<u>R6SS</u>	<u>22-18 GA VINYL 6 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>R8SS</u>	<u>22-18 GA VINYL 8 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>R10SS</u>	<u>22-18 GA VINYL 10 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>B6SS</u>	<u>16-14 GA VINYL 6 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>B8SS</u>	<u>16-14 GA VINYL 8 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>B10SS</u>	<u>16-14 GA VINYL 10 SPRING SNAP SPADE CONNECTOR</u>	<u>100/BK</u>
<u>Y6SS</u>	<u>12-10 GA. VINYL 6 SPRING SNAP SPADE CONNECTOR</u>	<u>50/BK</u>
<u>Y8SS</u>	<u>12-10 GA. VINYL 8 SPRING SNAP SPADE CONNECTOR</u>	<u>50/BK</u>
<u>Y10SS</u>	<u>12-10 GA VINYL 10 SPRING SNAP SPADE CONNECTOR</u>	<u>50/BK</u>



Nylon – Hook Terminals

Item#	Description	Qty
<u>RN6H</u>	<u>22-18 GA NYLON 6 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>RN8H</u>	<u>22-18 GA NYLON 8 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>RN10H</u>	<u>22-18 GA NYLON 10 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>BN6H</u>	<u>16-14 GA NYLON 6 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>BN8H</u>	<u>16-14 GA NYLON 8 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>BN10H</u>	<u>16-14 GA NYLON 10 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>YN6H</u>	<u>12-10 GA NYLON 6 HOOK CONNECTOR</u>	<u>50/BK</u>
<u>YN8H</u>	<u>12-10 GA NYLON 8 HOOK CONNECTOR</u>	<u>50/BK</u>
<u>YN10H</u>	<u>12-10 GA NYLON 10 HOOK CONNECTOR</u>	<u>50/BK</u>



CONNECTORS & TERMINALS

Vinyl – Hook Terminals

Item#	Description	Qty
<u>R6H</u>	<u>22-18 GA VINYL 6 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>R8H</u>	<u>22-18 GA VINYL 8 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>R10H</u>	<u>22-18 GA VINYL 10 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>B6H</u>	<u>16-14 GA VINYL 6 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>B8H</u>	<u>16-14 GA VINYL 8 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>B10H</u>	<u>16-14 GA VINYL 10 HOOK CONNECTOR</u>	<u>100/BK</u>
<u>Y6H</u>	<u>12-10 GA VINYL 6 HOOK CONNECTOR</u>	<u>50/BK</u>
<u>Y8H</u>	<u>12-10 GA VINYL 8 HOOK CONNECTOR</u>	<u>50/BK</u>
<u>Y10H</u>	<u>12-10 GA VINYL 10 HOOK CONNECTOR</u>	<u>50/BK</u>



Nylon – Male Snap Plug Terminals

Item#	Description	Qty
<u>RNMSP-156</u>	<u>22-18 GA NYLON .156 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>RNMSP-176</u>	<u>22-18 GA NYLON .176 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>BNMSP-156</u>	<u>16-14 GA NYLON .156 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>BNMSP-176</u>	<u>16-14 GA NYLON .176 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>YNMSP-156</u>	<u>12-10 GA NYLON .156 DIA MALE SNAP PLUG CONNECTOR</u>	<u>50/PK</u>



Vinyl – Male Snap Plug Terminals

Item#	Description	Qty
<u>RMSP-156</u>	<u>22-18 GA VINYL .156 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>RMSP-176</u>	<u>22-18 GA VINYL .176 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>BMSP-156</u>	<u>16-14 GA VINYL .156 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>BMSP-176</u>	<u>16-14 GA VINYL .176 DIA MALE SNAP PLUG CONNECTOR</u>	<u>100/PK</u>
<u>YMSP-156</u>	<u>12-10 GA VINYL .156 DIA MALE SNAP PLUG CONNECTOR</u>	<u>50/PK</u>



Nylon – Female Snap Plug Terminals

Item#	Description	Qty
<u>RNFSP-156</u>	<u>22-18 GA NYLON .156 DIA FEMALE SNAP PLUG FULLY INSULATED CONNECTOR</u>	<u>100/PK</u>
<u>RNFSP-176</u>	<u>22-18 GA NYLON .176 DIA FEMALE SNAP PLUG FULLY INSULATED CONNECTOR</u>	<u>100/PK</u>
<u>BNFSP-156</u>	<u>16-14 GA NYLON .156 DIA FEMALE SNAP PLUG FULLY INSULATED CONNECTOR</u>	<u>100/PK</u>
<u>BNFSP-176</u>	<u>16-14 GA NYLON .176 DIA FEMALE SNAP PLUG FULLY INSULATED CONNECTOR</u>	<u>100/PK</u>
<u>YNFSP-156</u>	<u>12-10 GA NYLON .156 DIA FEMALE SNAP PLUG FULLY INSULATED CONNECTOR</u>	<u>50/PK</u>



Non-Insulated Stop Connector

Item#	Description	Qty
XRSC	22-18 GA Non-Insulated Stop Connector	100
XBSC	16-14 GA Non-Insulated Stop Connector	100
XYSC	12-10 GA Non-Insulated Stop Connector	50



Vinyl Stop Connector

Item#	Description	Qty
RSC	22-18 GA Vinyl Stop Connector	100
BSC	16-14 GA Vinyl Stop Connector	100
YSC	12-10 GA Vinyl Stop Connector	50



Nylon Insulated Stop Connector

Item#	Description	Qty
RNSC	22-18 GA Nylon Insulated Stop Connector	100
BNSC	16-14 GA Nylon Insulated Stop Connector	100
YNSC	12-10 GA Nylon Insulated Stop Connector	50



Nylon Heat Shrink Stop Connector

Item#	Description	Qty
RNSCHS	22-18 GA Nylon Heat Shrink Stop Connector	50
BNSCHS	16-14 GA Nylon Heat Shrink Stop Connector	50
YNSCHS	12-10 GA Nylon Heat Shrink Stop Connector	25



Nylon Moisture Resistant Stop Connector

Item#	Description	Qty
RNSCMR	22-18 GA Nylon Moisture Resistant Stop Connector	50
BNSCMR	16-14 GA Nylon Moisture Resistant Stop Connector	100
YNSCMR	12-10 GA Nylon Moisture Resistant Stop Connector	50



Non-Insulated Step Down Stop Connector

Item#	Description	Qty
BL6SC-SD	6 GA to 8 GA Non-Insulated Step Down Stop Connector	25
XBSC-SD	16 GA to 22-18 GA Non-Insulated Step Down Stop Connector	100



Vinyl Step Down Stop Connector

Item#	Description	Qty
BSC-SD	16-14 GA to 22-18 GA Vinyl Step Down Stop Connector	100
YSC-SD	12-10 GA to 16-14 GA Vinyl Step Down Stop Connector	25



Nylon Step Down Heat Shrink Stop Connector

Item#	Description	Qty
BNSCHS-SD	16-14 GA to 22-18 GA Nylon Step Down Heat Shrink Stop Connector	100
YNSCHS-SD	12-10 GA to 16-14 GA Nylon Step Down Heat Shrink Stop Connector	100



Nylon Insulated w/ Insulation Grip Female Disconnects



Item#	Description	Qty
<u>RNFF-187</u>	22-18 GA Nylon .187 Insulated Grip Female Disconnect	100
<u>RNFF-250</u>	22-18 GA Nylon .250 Insulated Grip Female Disconnect	100
<u>BNFF-110</u>	16-14 GA Nylon .110 Insulated Grip Female Disconnect	100
<u>BNFF-187</u>	16-14 GA Nylon .187 Insulated Grip Female Disconnect	100
<u>BNFF-250</u>	16-14 GA Nylon .250 Insulated Grip Female Disconnect	100
<u>YNFF-250</u>	12-10 GA Nylon .250 Insulated Grip Female Disconnect	50
<u>YNFF-375</u>	12-10 GA Nylon .375 Insulated Grip Female Disconnect	50

Nylon Fully Insulated w/ Insulation Grip Female Disconnects



Item#	Description	Qty
<u>RNIFF-187</u>	22-18 GA Nylon .187 Fully Insulated Grip Female Disconnect	100
<u>RNIFF-250</u>	22-18 GA Nylon .250 Fully Insulated Grip Female Disconnect	100
<u>BNIFF-187</u>	16-14 GA Nylon .187 Fully Insulated Grip Female Disconnect	100
<u>BNIFF-250</u>	16-14 GA Nylon .250 Fully Insulated Grip Female Disconnect	100
<u>YNIFF-250</u>	12-10 GA Nylon .250 Fully Insulated Grip Female Disconnect	50

Vinyl Insulated Female Disconnects



Item#	Description	Qty
<u>RFF-187</u>	22-18 GA Vinyl .187 Insulated Female Disconnect	100
<u>RFF-250</u>	22-18 GA Vinyl .250 Insulated Female Disconnect	100
<u>BFF-110</u>	16-14 GA Vinyl .110 Insulated Female Disconnect	100
<u>BFF-187</u>	16-14 GA Vinyl .187 Insulated Female Disconnect	100
<u>BFF-250</u>	16-14 GA Vinyl .250 Insulated Female Disconnect	100
<u>YFF-250</u>	12-10 GA Vinyl .250 Insulated Female Disconnect	50
<u>YFF-375</u>	12-10 GA Vinyl .375 Insulated Female Disconnect	50

CONNECTORS & TERMINALS

Nylon Insulated w/ Insulation Grip Male Disconnects



Item#	Description	Qty
<u>RNFM-187</u>	<u>22-18 GA Nylon .187 Insulated Grip Male Disconnect</u>	<u>100</u>
<u>RNFM-250</u>	<u>22-18 GA Nylon .250 Insulated Grip Male Disconnect</u>	<u>100</u>
<u>BNFM-187</u>	<u>16-14 GA Nylon .187 Insulated Grip Male Disconnect</u>	<u>100</u>
<u>BNFM-250</u>	<u>16-14 GA Nylon .250 Insulated Grip Male Disconnect</u>	<u>100</u>
<u>YNFM-250</u>	<u>12-10 GA Nylon .250 Insulated Grip Male Disconnect</u>	<u>50</u>

Nylon Fully Insulated w/ Insulation Grip Male Disconnects



Item#	Description	Qty
<u>RNIFM-187</u>	<u>22-18 GA Nylon .187 Fully Insulated Grip Male Disconnect</u>	<u>100</u>
<u>RNIFM-250</u>	<u>22-18 GA Nylon .250 Fully Insulated Grip Male Disconnect</u>	<u>100</u>
<u>BNIFM-187</u>	<u>16-14 GA Nylon .187 Fully Insulated Grip Male Disconnect</u>	<u>100</u>
<u>BNIFM-250</u>	<u>16-14 GA Nylon .250 Fully Insulated Grip Male Disconnect</u>	<u>100</u>
<u>YNIFM-250</u>	<u>12-10 GA Nylon .250 Fully Insulated Grip Male Disconnect</u>	<u>50</u>

Vinyl Insulated Male Disconnects



Item#	Description	Qty
<u>RFM-187</u>	<u>22-18 GA Vinyl .187 Insulated Male Disconnect</u>	<u>100</u>
<u>RFM-250</u>	<u>22-18 GA Vinyl .250 Insulated Male Disconnect</u>	<u>100</u>
<u>BFM-187</u>	<u>16-14 GA Vinyl .187 Insulated Male Disconnect</u>	<u>100</u>
<u>BFM-250</u>	<u>16-14 GA Vinyl .250 Insulated Male Disconnect</u>	<u>100</u>
<u>YFM-250</u>	<u>12-10 GA Vinyl .250 Insulated Male Disconnect</u>	<u>50</u>

Straight Crimp Battery Terminal

- ❖ Tin-plated copper
- ❖ Resists corrosion
- ❖ Cable size and polarity imprinted on terminal
- ❖ Thick wall for strong crimp



Tin Plated Standard	Tin Plated Color Coded	Cable Size	Polarity	Tool Die Codes	Qty
BT-4N	BT-4NCC	4	Negative	Green J-H	5
BT-4P	BT-4PCC	1-2	Positive	Pink H-H	5
BT-4U	BT-4UCC	4	Universal	Green J-H	5
BT-1-2N	BT-1-2NCC	1-2	Negative	Pink H-H	5
BT-1-2P	BT-1-2PCC	1-2	Positive	Pink H-H	5
BT-10N	BT-10NCC	1/0	Negative	Black E-A	5
BT-10P	BT-10PCC	1/0	Positive	Black E-A	5
BT-20N	BT-20NCC	2/0	Negative	Orange A-C	5
BT-20P	BT-20PCC	2/0	Positive	Orange A-C	5
BT-30N	BT-30NCC	3/0	Negative	Purple A-B	5
BT-30P	BT-30PCC	3/0	Positive	Purple A-B	5
BT-40N	BT-40NCC	4/0	Negative	Yellow A-A	5
BT-40P	BT-40PCC	4/0	Positive	Yellow A-A	5

RIGHT ANGLE CRIMP BATTERY TERMINAL

- ❖ Tin-plated copper
- ❖ Resists corrosion
- ❖ Cable size and polarity imprinted on terminal
- ❖ Thick wall for strong crimp



Tin Plated Standard	Tin Plated Color Coded	Cable Size	Polarity	Tool Die Codes	Qty
BT-10NRA	BT-10NRACC	1/0	Negative	Black E-A	5
BT-10PRA	BT-10PRACC	1/0	Positive	Black E-A	5
BT-20NRA	BT-20NRACC	2/0	Negative	Orange A-C	5
BT-20PRA	BT-20PRACC	2/0	Positive	Orange A-C	5
BT-30NRA	BT-30NRACC	3/0	Negative	Purple A-B	5
BT-30PRA	BT-30PRACC	3/0	Positive	Purple A-B	5

LEFT ANGLE CRIMP BATTERY TERMINAL

- ❖ Tin-plated copper
- ❖ Resists corrosion
- ❖ Cable size and polarity imprinted on terminal
- ❖ Thick wall for strong crimp



Tin Plated Standard	Tin Plated Color Coded	Cable Size	Polarity	Tool Die Codes	Qty
BT-10NLA	BT-10NLACC	1/0	Negative	Black E-A	5
BT-10PLA	BT-10PLACC	1/0	Positive	Black E-A	5
BT-20NLA	BT-20NLACC	2/0	Negative	Orange A-C	5
BT-20PLA	BT-20PLACC	2/0	Positive	Orange A-C	5
BT-30NLA	BT-30NLACC	3/0	Negative	Purple A-B	5
BT-30PLA	BT-30PLACC	3/0	Positive	Purple A-B	5

BATTERY TERMINALS

FLAG CRIMP BATTERY TERMINAL

- ❖ Tin-plated copper
- ❖ Resists corrosion
- ❖ Cable size and polarity imprinted on terminal
- ❖ Thick wall for strong crimp



Tin Plated Standard	Tin Plated Color Coded	Cable Size	Polarity	Tool Die Codes	Qty
BT-10NFL	BT-10NFLCC	1/0	Negative	Black E-A	5
BT-10PFL	BT-10PFLCC	1/0	Positive	Black E-A	5
BT-20NFL	BT-20NFLCC	2/0	Negative	Orange A-C	5
BT-20PFL	BT-20PFLCC	2/0	Positive	Orange A-C	5
BT-30NFL	BT-30NFLCC	3/0	Negative	Purple A-B	5
BT-30PFL	BT-30PFLCC	3/0	Positive	Purple A-B	5
BT-40NFL	BT-40NFLCC	4/0	Negative	Yellow A-A	5
BT-40PFL	BT-40PFLCC	4/0	Positive	Yellow A-A	5

POWER BATTERY TERMINAL

- ❖ Tin-plated copper
- ❖ Resists corrosion
- ❖ Thick wall for strong crimp



Tin Plated Color Coded	Cable Size	Polarity	Tool Die Codes	Qty
BAL438	4	Universal	Gray J-H	5
BAL1-238	1-2	Universal	Pink H-H	5
BAL1038	1/0	Universal	Black E-A	5
BAL2038	2/0	Universal	Orange A-C	5
BAL3038	3/0	Universal	Purple A-B	5
BAL4038	4/0	Universal	Yellow A-A	5

STUD TYPE BATTERY TERMINAL

- ❖ Tin-plated copper
- ❖ Resists corrosion
- ❖ Thick wall for strong crimp



Tin Plated Standard	Cable Size	Polarity	Tool Die Codes	Qty
BT-4ST	4	Universal	Green J-H	10
BT-1-2ST	1-2	Universal	Pink H-H	5
BT-10ST	1/0	Universal	Black E-A	5
BT-20ST	2/0	Universal	Orange A-C	5
BT-30ST	3/0	Universal	Purple A-B	5
BT-40ST	4/0	Universal	Yellow A-A	5

STUD TYPE FLAG BATTERY TERMINAL

- ❖ Tin-plated copper
- ❖ Resists corrosion
- ❖ Thick wall for strong crimp



Tin Plated Standard	Cable Size	Polarity	Tool Die Codes	Qty
BT-10STFL	1/0	Universal	Black E-A	5
BT-20STFL	2/0	Universal	Orange A-C	5
BT-30STFL	3/0	Universal	Purple A-B	5
BT-40STFL	4/0	Universal	Yellow A-A	5

HEAVY DUTY TOP POST BATTERY TERMINAL

- ❖ Fits positive or negative posts
- ❖ Universal – holds cable or strap
- ❖ Threaded clamp avoids pull-out



Heavy Duty Top Post Battery Terminal

Item #	Cable Size	Polarity	Qty
BT-888L	4 GA to 2/0	Universal	10

Heavy Duty Commercial Top Post Battery Terminal

Item #	Cable Size	Polarity	Qty
BT-8882/0L	2/0 to 4/0	Universal	5

HEAVY DUTY SIDE MOUNT BATTERY TERMINAL

- ❖ Fits positive or negative posts
- ❖ Universal – holds cable or strap
- ❖ Threaded clamp avoids pull-out



Item #	Cable Size	Polarity	Qty
BT-888SM	8GA to 2/0	Universal	10

3-WAY TOP POST BATTERY TERMINAL

- ❖ Fits positive or negative posts
- ❖ Universal – holds cable or strap
- ❖ Threaded clamp avoids pull-out



3-Way Top Post Battery Terminal

Item #	Cable Size	Polarity	Qty
BT-3W-P	6 GA to 1/0	Positive	5
BT-3W-N	6 GA to 1/0	Negative	5

3-Way Top Post Commercial Battery Terminal

Item #	Cable Size	Polarity	Qty
BT-3WF-P	1 GA to 4/0	Positive	5
BT-3WF-N	1 GA to 4/0	Negative	5

WING NUT STUD TYPE BATTERY TERMINAL

- ❖ Brass plated wing nut
- ❖ Convert to marine or other special uses



Item #	Stud Size	Polarity	Qty
BT-60A	3/8	Positive	5
BT-60	5/16	Negative	5

RIGHT ANGLE STUD TYPE BATTERY TERMINAL

- ❖ Measures 3/4" high
- ❖ Long bolt permits additional power connections



Item #	Description	Polarity	Qty
BT-RAMP	Zinc Plated Steel Fastener	Positive	5
BT-RAMN	Zinc Plated Steel Fastener	Negative	5

BATTERY TERMINALS

POST TYPE SIDE TERMINAL ADAPTER

- ❖ Converts post terminal battery for use with side terminal cables.



Item #	Stud Size	Polarity	Qty
BT-SAP	3/8	Positive	5
BT-SAN	3/8	Negative	5

SIDE TERMINAL CHARGING POSTS

- ❖ Facilitate charging and testing of side terminal batteries.
- ❖ Posts have 3/8" threaded stud to screw into side terminal batteries.



Item #	Thread Type	Stud Size	Polarity	Qty
BT-MPP	Male	3/8	Positive	10
BT-MPN	Male	3/8	Negative	10

STUD STYLE CONVERSION POSTS

- ❖ Use to convert 3/8" stud type terminals to post type terminals.



Item #	Thread Type	Stud Size	Polarity	Qty
BT-FPP	Female	3/8	Positive	10
BT-FPN	Female	3/8	Negative	10
BT-FPU	Female	3/8	Universal	10

BATTERY BOLT & SHOULDER NUT

- ❖ Both battery bolts and shoulder nuts are made of steel and zinc plated.



Item #	Description	Qty
BT-BNBC	5/16-18 X 1 1/4 Battery Bolt and Shoulder Nut	25
BT-BNBC-1	5/16-18 X 1 1/2 Battery Bolt and Shoulder Nut	25
BT-BNBC-2	1/4-20 X 1 5/8 Battery Bolt and Shoulder Nut	25
BT-BNBC-3	3/8-16 X 2 Battery Bolt and Shoulder Nut	25

STUD NUT GROUP 31 BATTERY

- ❖ Stud top battery nut works with a 3/8 stud.



Item #	Description	Qty
BT-MFSNR	3/8 Red Plastic Group 31 Stud Nut	10
BT-MFSNB	3/8-16 Black Plastic Group 31 Stud Nut	10
BT-MFSN	3/8-16 Stainless Steel Group 31 Stud Nut	10
BT-MFSSNR	3/8-16 Red Coated Stainless Steel Group 31 Stud Nut	5
BT-MFSSNB	3/8-16 Black Coated Stainless Steel Group 31 Stud Nut	5

LEAD BATTERY POST SHIM

- ❖ Rebuild battery post/cable clamp connections.



Item #	Description	Polarity	Qty
BT-821	Lead Battery Post Sham	Universal	25

SIDE-MOUNT BOLT

- ❖ Hardware meets or exceeds OEM specifications



Item #	Description	Qty
BT-SMB	Side-Mount Bolt OEM Steel Zinc Plate	10
BT-SMB-L	Side-Mount Bolt OEM Long Steel Zinc Plate	5

SOLDER SLUG PELLET

- ❖ Fast method for attaching a battery lug to a cable.
- ❖ Creates a rugged sealed connection for optimum performance.



Item #	Cable Size	Color	Qty
BT-SSP-1	1	Pink	5
BT-SSP-2	2	Green	10
BT-SSP-4	4	Gray	10
BT-SSP10	1/0	Black	5
BT-SSP20	2/0	Orange	5
BT-SSP30	3/0	Purple	5

BATTERY BOLT EXTENDER

- ❖ Used for a powerful hook-up for direct connections of accessories to battery



Item #	Description	Polarity	Qty
BT-USMA	Brass Side Mount Adapter	Universal	5

HEAVY DUTY POWER LUGS

- ❖ Tin-plated copper
- ❖ Lugs can be crimped and soldered and are stackable
- ❖ Cable size identified on lugs



Item #	Cable Size	Stud Size	Tool Die Codes	Qty
BAL814	8	1/4	Red	25
BAL8516	8	5/16	Red	25
BAL838	8	3/8	Red	25
BAL614	6	1/4	Blue	25
BAL6516	6	5/16	Blue	25
BAL638	6	3/8	Blue	25
BAL612	6	1/2	Blue	25
BAL414	4	1/4	Gray	25
BAL4516	4	5/16	Gray	25
BAL438	4	3/8	Gray	25
BAL412	4	1/2	Gray	25
BAL214	2	1/4	Green	10
BAL2516	2	5/16	Green	10
BAL238	2	3/8	Green	10
BAL212	2	1/2	Green	10
BAL114	1	1/4	Pink	10
BAL1516	1	5/16	Pink	10
BAL138	1	3/8	Pink	10
BAL112	1	1/2	Pink	10
BAL1014	1/0	1/4	Black	10
BAL10516	1/0	5/16	Black	10
BAL1038	1/0	3/8	Black	10
BAL1012	1/0	1/2	Black	10
BAL2014	2/0	1/4	Orange	10
BAL2038	2/0	3/8	Orange	10
BAL2012	2/0	1/2	Orange	10
BAL3038	3/0	3/8	Purple	5
BAL3012	3/0	1/2	Purple	5
BAL4038	4/0	3/8	Yellow	5
BAL4012	4/0	1/2	Yellow	5

HEAVY DUTY POWER SPLICES

- ❖ Tin-plated copper
- ❖ Extra thick wall for greater strength and conductivity



Item #	Cable Size	Tool Die Codes	Qty
BAS8	8	Red	10
BAS6	6	Blue	10
BAS4	4	Gray	5
BAS2	2	Green	5
BAS1	1	Pink	5
BAS10	1/0	Black	5
BAS20	2/0	Orange	5
BAS30	3/0	Purple	5
BAS40	4/0	Yellow	5

BATTERY LUG

- ❖ Lead-plated
- ❖ High conductivity copper



Item #	Cable Size	Tool Die Codes	Qty
BAC4038	4	Gray	5
BAC238	2	Green	5
BAC138	1	Pink	5
BAC1038	1/0	Black	5
BAC2038	2/0	Orange	5
BAC3038	3/0	Purple	5
BAC4038	4/0	Yellow	5

LIGHT DUTY CABLE SPLICES

- ❖ Tin-plated copper splices
- ❖ Thick walls for strong crimping



Item #	Cable Size	Tool Die Codes	Qty
BCS8	8	Red	5
BCS6	6	Blue	5
BCS4	4	Gray	5
BCS2	2	Green	5
BCS1	1	Pink	5
BCS10	1/0	Black	5
BCS20	2/0	Orange	5
BCS30	3/0	Purple	5
BCS40	4/0	Yellow	5

LIGHT DUTY POWER LUGS

- ❖ Tin-plated copper
- ❖ Lugs can be crimped and soldered and are stackable
- ❖ Cable size identified on lugs

Item #	Cable Size	Stud Size	Tool Die Codes	Qty
BCL810	8	#10	Red	50
BCL814	8	1/4	Red	50
BCL8516	8	5/16	Red	50
BCL838	8	3/8	Red	50
BCL812	8	1/2	Gray	50
BCL610	6	# 10	Blue	25
BCL614	6	1/4	Blue	25
BCL6516	6	5/16	Blue	25
BCL638	6	3/8	Blue	25
BCL612	6	1/2	Blue	25
BCL410	4	# 10	Gray	25
BCL414	4	1/4	Gray	25
BCL4516	4	5/16	Gray	25
BCL438	4	3/8	Gray	25
BCL412	4	1/2	Gray	25
BCL214	2	1/4	Brown	25
BCL2516	2	5/16	Brown	25
BCL238	2	3/8	Brown	25
BCL212	2	1/2	Brown	25



Item #	Cable Size	Stud Size	Tool Die Codes	Qty
BCL114	1	1/4	Green	25
BCL1516	1	5/16	Green	25
BCL138	1	3/8	Green	25
BCL112	1	1/2	Green	25
BCL1014	1/0	1/4	Pink	25
BCL10516	1/0	5/16	Pink	25
BCL1038	1/0	3/8	Pink	25
BCL1012	1/0	1/2	Pink	25
BCL2014	2/0	1/4	Black	25
BCL20516	2/0	5/16	Black	25
BCL2038	2/0	3/8	Black	25
BCL2012	2/0	1/2	Black	25
BCL3014	3/0	1/4	Orange	25
BCL30516	3/0	5/16	Orange	25
BCL3038	3/0	3/8	Orange	25
BCL3012	3/0	1/2	Orange	25
BCL4014	4/0	1/4	Purple	25
BCL40516	4/0	5/16	Purple	25
BCL4038	4/0	3/8	Purple	25
BCL4012	4/0	1/2	Purple	25

ELECTRICAL TAPE

General Purpose Tape

Item #	Description	Qty
TAPE-E3/4	3/4 X 60 ft 7 mil UL Listed Vinyl Plastic Electrical Tape	1/10

Friction Tape

- ❖ 8 oz cloth tape, for protection against abrasion & penetration of cables, wiring, and splices.

Item #	Description	Qty
TAPE-F3/4	3/4 X 60 ft .15 mil Friction Tape	1/10

Rubber Splicing Tape

- ❖ Self-fusing rubber with liner. Forms watertight protection.

Item #	Description	Qty
TAPE-R3/4	3/4 X 22 ft 30 mil Self-Fusion with Liner Rubber Splicing Tape	1

Rubber Splicing- High Voltage Linerless Tape

- ❖ Self bonding, provides tight, moisture resistant insulation, even when elongated. Flame retardant.

Item #	Description	Qty
TAPE-RSHV3/4	3/4 X 30ft Self-Bonding Linerless Rubber Splicing Tape	1/10

Silicone Rubber with Liner Tape

- ❖ Excellent water & chemical resistance.

Item #	Description	Qty
TAPE-RSL1	1 X 30ft Silicone Rubber with Liner Tape	1/10

Cold Shrink Tape

- ❖ Ideal for covering cable lugs, splices and termination. Excellent for moisture sealing in electrical installments, industrial and marine applications.

Item #	Description	Qty
TAPE-CST1	1 X 30ft Cold Shrink Tape	1

TAPE

PROFESSIONAL DUCT TAPE

- ❖ Ideal for industrial, commercial, sheet metal & flex duct, insulation, asbestos/lead/mold abatement, exterminators and weather-proofing.



Item #	Description	Qty
TAPE-D2	2 X 60 yds Gray Duct Tape	1/24
TAPE-D2BK	2 X 60 yds Black Duct Tape	1/24
TAPE-D3	3 X 60 yds Gray Duct Tape	1
TAPE-D4	4 X 60 yds Gray Duct Tape	1/12

UTILITY GRADE MASKING TAPE

- ❖ General Purpose masking, ideal for general & light industrial use, homeowners, crafts, schools, and office.



Item #	Description	Qty
TAPE-M3/4	3/4 X 60 yds Masking Tape	1/48
TAPE-M1	1 X 60 yds Masking Tape	1/36
TAPE-M11/2	1 1/2 X 60 yds Masking Tape	1/24
TAPE-M2	2 X 60 yds Masking Tape	1/24
TAPE-M3	3 X 60 yds Masking Tape	1/12

HIGH DENSITY TEFLON TAPE

- ❖ High density Teflon tape is a high density quality product suitable for commercial, industrial and laboratory use. This tape is maintenance free, non-toxic and



Item #	Description	Qty
TAPE-T14260	1/4 X 260 High Density Teflon Tape	10
TAPE-T14520	1/4 X 520 High Density Teflon Tape	10
TAPE-T12260	1/2 X 260 High Density Teflon Tape	10
TAPE-T12520	1/2 X 520 High Density Teflon Tape	10
TAPE-T34520	3/4 X 520 High Density Teflon Tape	1
TAPE-T1520	1 X 520 High Density Teflon Tape	5

ALUMINUM FOIL TAPE

- ❖ Aluminum foil coated with a special cold weather acrylic adhesive. Bond strength increases after adhesion.



Item #	Description	Qty
TAPE-AF2	2 X 50 yds 2 mil -35° Aluminum Foil Tape	1/16
TAPE-AF3	3 X 50 yds 2 mil -35° Aluminum Foil Tape	1/16

SELF-FUSING SILICONE TAPE

- ❖ Fuses and cures in 24hrs to form a permanent moisture tight seal.
- ❖ Ideal for high temps.



Item #	Description	Qty
TAPE-SFTBK	1 X 20ft Black Self-Fusing Silicone Tape	1
TAPE-SFTRD	1 X 20ft Red Self-Fusing Silicone Tape	1

SHIPPING TAPE

- ❖ Clear emulsion acrylic adhesive, ideal for bundling, packaging, mailing, & label pro.
- ❖ Glass filaments reinforce tape to give super strength.



Carton Sealing Tape

Item #	Description	Qty
TAPE-P2	2 X 110 yds Clear Packaging Tape	6
TAPE-P3	3 X 36 yds Clear Vinyl Packaging Tape	1

Filament Strapping Tape

Item #	Description	Qty
TAPE-FS3/4	3/4 X 60 yds Filament Strapping Tape	1

CAUTION TAPE

- ❖ This tape is manufactured for durability and resistance to all of the outside elements.



Item #	Description	Qty
TAPE-C3	3 X 1000 ft Yellow Caution Tape	1
TAPE-C3/SP	3 X 1000 ft Yellow Bi-Lingual Caution Tape	1/8

"Water" Caution Tape

Item #	Description	Qty
TAPE-C3BL-200	3 X 200 ft Blue "Water" Caution Tape	1
TAPE-C3BL	3 X 1000 ft Blue "Water" Caution Tape	1/8



"Sewer" Caution Tape

Item #	Description	Qty
TAPE-C3GR	3 X 1000 ft Green "Sewer" Caution Tape	1/8



"Communication" Caution Tape

Item #	Description	Qty
TAPE-C3OR	3 X 1000 ft Orange "Communication" Caution Tape	1/8



"Electric" Caution Tape

Item #	Description	Qty
TAPE-C3RD	3 X 1000 ft Red "Electric" Caution Tape	1/8



"Buried Gas Line" Caution Tape

Item #	Description	Qty
TAPE-C3YEL	3 X 1000 ft Yellow "Buried Gas Line" Caution Tape	1/8



3M™ ELECTRICAL TAPE**Scotch® Vinyl Electrical Tape Super 33+**

- ❖ A premium grade, all weather vinyl electrical insulating tape. Super stretchy in all weather applications; resists UV rays, abrasion, corrosion, & acids.

Item #	Description	Qty
3M6130	3/4 X 20 ft. Super 33+ Vinyl 7mil Electric Tape	1/10
3M6133	3/4 X 52 ft. Super 33+ Vinyl 7mil Electric Tape	1/10
3M6132	3/4 X 66 ft. Super 33+ Vinyl 7mil Electric Tape	1/10

Scotch® Vinyl Electrical Color Coding Tape 35

- ❖ A premium grade, fade resistant electrical tape that stretches to conform to virtually any shape that requires color-coded insulation.



Item #	Description	Qty
3M6135BL	3/4 X 66 ft. Blue Vinyl Electrical Color Coding Tape 35	1/10
3M6135BR	3/4 X 66 ft. Brown Vinyl Electrical Color Coding Tape 35	1/10
3M6135GR	3/4 X 66 ft. Green Vinyl Electrical Color Coding Tape 35	1/10
3M6135OR	3/4 X 66 ft. Orange Vinyl Electrical Color Coding Tape 35	1/10
3M6135RD	3/4 X 66 ft. Red Vinyl Electrical Color Coding Tape 35	1/10
3M6135PR	3/4 X 66 ft. Purple Vinyl Electrical Color Coding Tape 35	1/10
3M6135WH	3/4 X 66 ft. White Vinyl Electrical Color Coding Tape 35	1/10
3M6135YE	3/4 X 66 ft. Yellow Vinyl Electrical Color Coding Tape 35	1/10

Scotch® Vinyl Electrical Tape Super 88

- ❖ A heavy duty, premium grade all-weather vinyl electrical insulating tape. Abrasion resistant and fast build up.



Item #	Description	Qty
3M6143	3/4 X 66 ft. Super 88 Vinyl 8.5mil Electric Tape	1/10
3M10364	1 1/2 X 44 ft. Super 88 Vinyl 8.5mil Electric Tape	1/10

Highland™ Vinyl Plastic Electrical Tape

- ❖ A commercial grade vinyl plastic electrical tape. Abrasion/moisture resistant and flame retardant.



Item #	Description	Qty
3M6138	3/4 X 66 ft. Vinyl 7mil Plastic Electric Tape	1/10

Tartan™ General Purpose Vinyl Electrical Tape 1700

- ❖ Economical, flexible general purpose tape.



Item #	Description	Qty
3M1710	3/4 X 60 ft. Vinyl 7mil General Purpose Electric Tape	1/10

3M™ ELECTRICAL TAPE (continued)



Scotch® Linerless Rubber Splicing Tape 130C

- ❖ Highly conformable, linerless Ethylene Propylene Rubber (EPR), high voltage insulating tape that provides excellent thermal dissipation of splice heat.

Item #	Description	Qty
3M41717	3/4 X 30 ft. 130° Linerless Rubber Splicing Tape	1/24
3M41753	1 X 30 ft. 130° Linerless Rubber Splicing Tape	1/24

Scotch® Rubber Splicing Tape 23

- ❖ Highly conformable, self-fusing EPR based high insulating voltage tape.

Item #	Description	Qty
3M00059	1 X 30 ft. Self-Fusing Rubber Splicing Tape	1/50

Linerless Electrical Rubber Tape 2242

- ❖ A multi-purpose rubber insulating tape designed for use in splicing and terminating wires and cables rated up to 194°F (90°C).

Item #	Description	Qty
3M6165	3/4 X 15 ft. Linerless Electrical Rubber Tape 2242	1/24
3M6167	1 1/2 X 15 ft. Linerless Electrical Rubber Tape 2242	1/24

Scotch® Electrical Moisture Sealant Rolls/Pads

- ❖ A rubber-based thin insulating mastic compounds laminated to a flexible, all-weather grade PVC backing and are designed for moisture sealing of electrical connections up to 600 volts.

Item #	Description	Qty
3M6147	2 1/2 X 10 ft. Electrical Moisture Sealant Roll	1/10
3M6149	2 1/2 X 2 1/2 ft. Electrical Moisture Sealant Pad	1/10

Scotch® Rubber Mastic Tape 2228

- ❖ A conformable self-fusing rubber electrical insulating and sealing tape.

Item #	Description	Qty
3M9656	2 X 10 ft. Self-Fusing Sealing and Insulating Rubber Tape	1/24

3M™ DUCT TAPE

- ❖ Designed for patching, wrapping, sealing, bundling and temporary repair applications.



Item #	Description	Qty
3M3900BK	2 X 60 yds. Black Premium Duct Tape	1/24
3M3939	2 X 60 yds. Silver Premium Duct Tape	1/24
3M85563	4 X 60 yds. Grey Premium Duct Tape	1/24

TAPE

3M™ MASKING TAPE



Scotch® Automotive Refinish Masking Tape 233

- ❖ This tape is conformable, hugs curves, and contours. Goes on quickly and easily, sticks at a touch and stays put.

Item #	Description	Qty
3M6332	1/2 X 60 yds. Scotch® Automotive Refinish Masking Tape 233	1/72
3M6334	3/4 X 60 yds. Scotch® Automotive Refinish Masking Tape 233	1/48
3M6336	1 X 60 yds. Scotch® Automotive Refinish Masking Tape 233	1/36
3M6338	1 1/2 X 60 yds. Scotch® Automotive Refinish Masking Tape 233	1/24
3M6340	2 X 60 yds. Scotch® Automotive Refinish Masking Tape 233	1/24
3M6341	3 X 60 yds. Scotch® Automotive Refinish Masking Tape 233	1/12



Scotch-Blue™ Painters Tape for Multi-Surfaces 2090

- ❖ Designed for short-term vehicle storage applications. Controlled crepe paper backing makes tape conformable and smooth for use.

Item #	Description	Qty
3M6818	1 X 60 yds. Scotch-Blue™ Masking Tape 2090	1/36
3M6819	1 1/2 X 60 yds. Scotch-Blue™ Masking Tape 2090	1/36
3M6820	2 X 60 yds. Scotch-Blue™ Masking Tape 2090	1/24

3M™ PACKAGING TAPE



Scotch® Premium Heavy Duty Packaging Tape 3750

- ❖ Strong and thick for heavy duty package applications. Resists center seam splitting and tearing. Also, seals out moisture, dust and dirt.

Item #	Description	Qty
3M3750C	48mm x 50m Clear Scotch- Pro™ Box Sealing Tape	6/36
3M3750T	48mm X 50m Tan Scotch-Pro™ Box Sealing Tape	6/36

Scotch® Packaging Tape 3710

- ❖ A strong film tape. Resists center seam splitting and seals out moisture, dust and dirt. Conforms to box surfaces for a consistent, uniform seal with no water or sticky cleanup



Item #	Description	Qty
3M3710C	48mm x 100m Clear Commercial Grade Box Sealing Tape	6/36
3M3710T	48mm X 100m Tan Commercial Grade Box Sealing Tape	6/36

3M™ PACKAGING TAPE (continued)

Tartan™ Box Sealing Tape 3690



- ❖ A general purpose box sealing tape for light duty packaging, storage, and sealing applications. Resists center seam splitting and seals out moisture, dust and dirt.

Item #	Description	Qty
3M3690C	48mm x 100m Clear General Purpose Box Sealing Tape	1/36
3M3690T	48mm X 100m Tan General Purpose Box Sealing Tape	1/36

3M™ REFLECTIVE CONSPICUITY TAPE

3M™ Diamond Grade™ Conspicuity Markings

- ❖ Rolls are designed to mark the side and rear perimeter of trucks and trailers for enhanced visibility and detection. “KissCut” rolls are conventional roll stock where the sheeting has been cut through to the liner for easy application. In compliance with NHTSA Ruling and DOT-C2 Certification.



Item #	Description	Qty
3M67533	2 X 50 yds. Roll Red 11"/White 7" Dot Approved Alternating Reflective Conspicuity Tape	1
3M67537	2 X 50 yds. White Dot Approved Reflective Conspicuity Tape	1
3M67636	2 X 50 yds. Roll Red 11"/White 7" Kiss 2 X 18 Cut Dot Approved Reflective Conspicuity Tape	1
3M67816	2 X 50 yds. Red Dot Approved Reflective Conspicuity Tape	1
3M67827	3 X 50 yds. White Dot Approved Reflective Conspicuity Tape	1
3M67828	3 X 50 yds. Roll Red 11"/White 7" Dot Approved Reflective Conspicuity Tape	1

3M™ Diamond Grade™ Conspicuity Markings

- ❖ Rolls are designed to mark the side and rear perimeter of trucks and trailers for enhanced visibility and detection. Highly reflective, even up to a 90° angle. In compliance with NHTSA Ruling and DOT-C2 Certification.



Item #	Description	Qty
3M6398	2 X 25 yds. Red/White Dot Approved Alternating Reflective Conspicuity Tape	1
3M6399	2 X 50 yds. Red/White Dot Approved Alternating Reflective Conspicuity Tape	1

3M™ SAFETY-WALK™ SURFACING TAPE

- ❖ High-friction textured material. Backing is coated with a pressure-sensitive adhesive covered by removable protective liner.



Item #	Description	Qty
3M19221	2 X 60 ft. General Purpose Tread Anti-Slip Safety Walk Tape	1
3M19223	4 X 60 ft. General Purpose Tread Anti-Slip Safety Walk Tape	1
3M19280	2 X 60 ft. General Purpose Conformable Anti-Slip Safety Walk Tape	1
3M19281	4 X 60 ft. General Purpose Conformable Anti-Slip Safety Walk Tape	1
3M19282	6 X 60 ft. General Purpose Conformable Anti-Slip Safety Walk Tape	1

HEAT SHRINK

DUAL WALL HEAT SHRINK TUBING WITH SEALANT

- ❖ A flexible, adhesive lined tubing that provides a water-tight gas-tight seal for connectors and splices.
- ❖ Available in Black, Red & Clear.



- ❖ 3:1 shrink ratio
- ❖ Polyolefin material



- ❖ -55°C to 110°C
- ❖ 600V/Mil
- ❖ MIL-DTL-23053/4, Class 3



Item # (Black 6")	Qty	Item # (Black 48")	Qty	I.D. in Inches		Wire Range	Wall Thickness
				Exp.	Rec.		
HS1/8AWBK	10	HS1/8AWBK-48	5	.125	.040	30 - 8 Ga.	.040"
HS3/16AWBK	10	HS3/8AWBK-48	5	.187	.060	20 - 4 Ga.	.040"
HS1/4AWBK	10	HS1/4AWBK-48	5	.250	.080	18 - 10 Ga.	.040"
HS5/16AWBK	10	HS5/16AWBK-48	5	.3125	.100	16 - 8 Ga.	.050"
HS3/8AWBK	10	HS3/8AWBK-48	5	.375	.125	12 - 6 Ga.	.060"
HS1/2AWBK	10	HS1/2AWBK-48	5	.500	.160	8 - 4 Ga.	.070"
HS3/4AWBK	5	HS3/4AWBK-48	5	.750	.250	4 - 2/0 Ga.	.070"
HS1AWBK	5	HS1AWBK-48	1	1.00	.320	2 - 4/0 Ga.	.100"
HS1-1/4AWBK	2	HS1-1/4AWBK-48	1	1.25	.416	1 - 250MCM	.100"
HS1-1/2AWBK	2	HS1-1/2AWBK-48	1	1.50	.510	2/0 - 350MCM	.100"
Item # (Red 6")	Qty	Item # (Red 48")	Qty	I.D. in Inches		Wire Range	Wall Thickness
				Exp.	Rec.		
HS1/8AWRD	10	HS1/8AWRD-48	5	.125	.040	30 - 8 Ga.	.040"
HS3/16AWRD	10	HS3/8AWRD-48	5	.187	.060	20 - 4 Ga.	.040"
HS1/4AWRD	10	HS1/4AWRD-48	5	.250	.080	18 - 10 Ga.	.040"
HS5/16AWRD	10	HS5/16AWRD-48	5	.3125	.100	16 - 8 Ga.	.050"
HS3/8AWRD	10	HS3/8AWRD-48	5	.375	.125	12 - 6 Ga.	.060"
HS1/2AWRD	10	HS1/2AWRD-48	5	.500	.160	8 - 4 Ga.	.070"
HS3/4AWRD	5	HS3/4AWRD-48	5	.750	.250	4 - 2/0 Ga.	.070"
HS1AWRD	5	HS1AWRD-48	1	1.00	.320	2 - 4/0 Ga.	.100"
HS1-1/4AWRD	2	HS1-1/4AWRD-48	1	1.25	.416	1 - 250MCM	.100"
HS1-1/2AWRD	2	HS1-1/2AWRD-48	1	1.50	.510	2/0 - 350MCM	.100"
Item # (Clear 6")	Qty	Item # (Clear 48")	Qty	I.D. in Inches		Wire Range	Wall Thickness
				Exp.	Rec.		
HS1/8AWCL	10	HS1/8AWCL-48	5	.125	.040	30 - 8 Ga.	.040"
HS3/16AWCL	10	HS3/8AWCL-48	5	.187	.060	20 - 4 Ga.	.040"
HS1/4AWCL	10	HS1/4AWCL-48	5	.250	.080	18 - 10 Ga.	.040"
HS5/16AWCL	10	HS5/16AWCL-48	5	.3125	.100	16 - 8 Ga.	.050"
HS3/8AWCL	10	HS3/8AWCL-48	5	.375	.125	12 - 6 Ga.	.060"
HS1/2AWCL	10	HS1/2AWCL-48	5	.500	.160	8 - 4 Ga.	.070"
HS3/4AWCL	5	HS3/4AWCL-48	5	.750	.250	4 - 2/0 Ga.	.070"
HS1AWCL	5	HS1AWCL-48	1	1.00	.320	2 - 4/0 Ga.	.100"
HS1-1/4AWCL	2	HS1-1/4AWCL-48	1	1.25	.416	1 - 250MCM	.100"
HS1-1/2AWCL	2	HS1-1/2AWCL-48	1	1.50	.510	2/0 - 350MCM	.100"

HEAVY WALL MIL-SPEC HEAT SHRINK TUBING WITH SEALANT

- ❖ A rigid, adhesive lined tubing with a high flame resistance suitable for direct burial.
- ❖ AMS-DTL-23053/1
- ❖ 3:1 shrink ratio
- ❖ Polyolefin material
- ❖ -55°C to 110°C
- ❖ 500V/Mil

Item #			I.D. in Inches		Color	Wire Range	Wall Thickness	Qty
6"	12"	48"	Exp.	Rec.				
HS18-14BK	---	---	.300	.100	Black	18 - 14 Ga.	.060"	5
HS18-14RD	---	---	.300	.100	Red	18 - 14 Ga.	.060"	5
HS12-6BK	HS12-6BK12L	HS12-6BK48L	.400	.150	Black	14 - 6 Ga.	.070"	5
HS12-6RD	HS12-6RD12L	HS12-6BK48L	.400	.150	Red	14 - 6 Ga.	.070"	5
HS6-1BK	HS6-1BK12L	HS6-1BK48L	.750	.220	Black	8 - 1 Ga.	.090"	5
HS6-1RD	HS6-1RD12L	HS6-1RD48L	.750	.220	Red	8 - 1 Ga.	.070"	5
HS4-3/0BK	---	---	1.10	.375	Black	2 - 4/0 Ga.	.120"	5
HS4-3/0RD	---	---	1.10	.375	Red	2 - 4/0 Ga.	.120"	5
HS4/0-400BK	---	---	1.50	.500	Black	4/0- 400MCM	.160"	5
HS4/0-400RD	---	---	1.50	.500	Red	4/0 - 400MCM	.160"	5



THIN WALL HEAT SHRINK TUBING

- ❖ A flexible, non-adhesive lined general purpose tubing.
- ❖ Effective for wire bundling, abrasion, resistance, and strain relief.



Item # (Black 6")	Qty	Item # (Black 48")	Qty	I.D. in Inches		Wall Thickness
				Exp.	Rec.	
HS1/16BK	10	HS1/16BK-48	5	.063	.031	.017"
HS3/32BK	10	HS3/32BK-48	5	.093	.046	.020"
HS1/8BK	10	HS1/8BK-48	5	.125	.062	.020"
HS3/16BK	10	---	5	.187	.093	.020"
HS1/4BK	10	---	5	.250	.125	.025"
HS5/16BK	10	---	5	.312	.156	.025"
HS3/8BK	10	---	5	.375	.187	.025"
HS1/2BK	10	---	5	.500	.250	.025"
HS3/4BK	5	---	5	.750	.375	.030"
HS1BK	5	---	5	1.000	.500	.035"
HS1-1/2BK	5	---	5	1.500	.750	.040"

HEAT SHRINK

THIN WALL HEAT SHRINK TUBING (continued)

- ❖ 2:1 shrink ratio
- ❖ Polyolefin material



Item # (Red 6")	Qty	Item # (Red 48")	Qty	I.D. in Inches		Wall Thickness
				Exp.	Rec.	
HS1/16RD	10	---	---	.063	.031	.017"
HS3/32RD	10	---	---	.093	.046	.020"
HS1/8RD	10	---	---	.125	.062	.020"
HS3/16RD	10	---	---	.187	.093	.020"
HS1/4RD	10	---	---	.250	.125	.025"
HS5/16RD	10	---	---	.312	.156	.025"
HS3/8RD	10	---	---	.375	.187	.025"
HS1/2RD	10	---	---	.500	.250	.025"
HS3/4RD	5	---	---	.750	.375	.030"
HS1RD	5	---	---	1.000	.500	.035"
HS1-1/2RD	5	---	---	1.500	.750	.040"

- ❖ -55°C to 135°C
- ❖ 600V/Mil
- ❖ MIL-DTL-23053/5,
Class 1 & 3



Item # (Clear 6")	Qty	Item # (Clear 48")	Qty	I.D. in Inches		Wall Thickness
				Exp.	Rec.	
HS1/16CL	10	---	---	.063	.031	.017"
HS3/32CL	10	---	---	.093	.046	.020"
HS1/8CL	10	---	---	.125	.062	.020"
HS3/16CL	10	---	---	.187	.093	.020"
HS1/4CL	10	---	---	.250	.125	.025"
HS5/16CL	10	---	---	.312	.156	.025"
HS3/8CL	10	---	---	.375	.187	.025"
HS1/2CL	10	---	---	.500	.250	.025"
HS3/4CL	5	---	---	.750	.375	.030"
HS1CL	5	HS1CL-48	5	1.000	.500	.035"
HS1-1/2CL	5	HS1-1/2CL-48	5	1.500	.750	.040"



Item # (Small Spool-50ft)	Qty	I.D. in Inches		Wall Thickness
		Exp.	Rec.	
HS1/6BK-50FT	1	.063	.031	.017"
HS3/32BK-50FT	1	.093	.046	.020"
HS1/8BK-50FT	1	.125	.062	.020"
HS3/16BK-50FT	1	.187	.093	.020"
HS1/4BK-50FT	1	.250	.125	.025"
HS5/16BK-50FT	1	.312	.156	.025"
HS3/8BK-50FT	1	.375	.187	.025"
HS1/2BK-50FT	1	.500	.250	.025"

Fuses

MINI® Blade Fuse

- ❖ Meets OEM need to protect a greater number of circuits without utilizing more space.
- ❖ Color coded to indicate amp rating.



Item #	Description	Qty
LITMIN-2	2 Amp Gray Mini Blade Type Fuse	5
LITMIN-3	3 Amp Violet Mini Blade Type Fuse	5
LITMIN-4	4 Amp Pink Mini Blade Type Fuse	5
LITMIN-5	5 Amp Tan Mini Blade Type Fuse	5
LITMIN-7 1/2	7 1/2 Amp Brown Mini Blade Type Fuse	5
LITMIN-10	10 Amp Red Mini Blade Type Fuse	5
LITMIN-15	15 Amp Blue Mini Blade Type Fuse	5
LITMIN-20	20 Amp Yellow Mini Blade Type Fuse	5
LITMIN-25	25 Amp Clear Mini Blade Type Fuse	5
LITMIN-30	30 Amp Green Mini Blade Type Fuse	5

ATO® (Autofuse) Blade Fuse

- ❖ Used in most cars, trucks, buses and off the road vehicles.
- ❖ Color coded to indicate amp rating.



Item #	Description	Qty
LITATO-1	1 Amp Black Blade Type Fuse	5
LITATO-2	2 Amp Gray Blade Type Fuse	5
LITATO-3	3 Amp Violet Blade Type Fuse	5
LITATO-4	4 Amp Pink Blade Type Fuse	5
LITATO-5	5 Amp Tan Blade Type Fuse	5
LITATO-7 1/2	7 1/2 Amp Brown Blade Type Fuse	5
LITATO-10	10 Amp Red Blade Type Fuse	5
LITATO-15	15 Amp Blue Blade Type Fuse	5
LITATO-20	20 Amp Yellow Blade Type Fuse	5
LITATO-25	25 Amp Clear Blade Type Fuse	5
LITATO-30	30 Amp Green Blade Type Fuse	5
LITATO-40	40 Amp Orange Blade Type Fuse	5

MAXI® Blade Fuse

- ❖ Primarily used for under hood applications.
- ❖ Color coded to indicate amp rating.



Item #	Description	Qty
LITMAX-20	20 Amp Yellow Maxi Blade Type Fuse	5
LITMAX-30	30 Amp Green Maxi Blade Type Fuse	5
LITMAX-40	40 Amp Orange Maxi Blade Type Fuse	5
LITMAX-50	50 Amp Red Maxi Blade Type Fuse	5
LITMAX-60	60 Amp Blue Maxi Blade Type Fuse	5
LITMAX-70	70 Amp Tan Maxi Blade Type Fuse	5
LITMAX-80	80 Amp Natural Maxi Blade Type Fuse	5

ELECTRICAL COMPONENTS

Fuses (continued)

AG Fuse

- ❖ Originally stood for “all glass.” The automotive industry uses the prefix “AG” for most glass fuses
- ❖ Volt Rating: 32V AC/DC 250V may be substituted



Item #	Description	Qty
AGC - (1/4" x 5/8")		
LITAGC-1/2	1/2 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-1	1 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-11/2	1 1/2 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-2	2 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-2 1/2	2 1/2 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-3	3 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-4	4 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-5	5 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-6	6 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-7 1/2	7 1/2 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-8	8 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-10	10 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-15	15 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-20	20 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-25	25 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-30	30 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITAGC-35	35 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5



Item #	Description	Qty
AGW - (1/4" x 7/8")		
LITAGW-1	1 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-11/2	1 1/2 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-2 1/2	2 1/2 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-3	3 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-4	4 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-5	5 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-6	6 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-15	15 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-20	20 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITAGW-30	30 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5



Item #	Description	Qty
AGA - (1/4" x 5/8")		
LITAGA-1	1 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-11/2	1 1/2 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-2	2 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-2 1/2	2 1/2 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-3	3 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-5	5 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-6	6 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-7 1/2	7 1/2 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-10	10 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-15	15 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-20	20 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-25	25 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITAGA-30	30 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5



Item #	Description	Qty
AGU - (13/32" x 1 1/2")		
LITAGU-1	1 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-2	2 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-3	3 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-4	4 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-5	5 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-10	10 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-15	15 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-20	20 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-25	25 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-30	30 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-35	35 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-40	40 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-50	50 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5
LITAGU-60	60 Amp 32 Volt 13/32" X 1 1/2" Glass Fuse	5



Item #	Description	Qty
AGX - (1/4" x 1")		
LITAGX-2	2 Amp 32 Volt 1/4" X 1" Glass Fuse	5
LITAGX-3	3 Amp 32 Volt 1/4" X 1" Glass Fuse	5
LITAGX-20	20 Amp 32 Volt 1/4" X 1" Glass Fuse	5
LITAGX-25	25 Amp 32 Volt 1/4" X 1" Glass Fuse	5
LITAGX-30	30 Amp 32 Volt 1/4" X 1" Glass Fuse	5

Fuses (continued)

SFE Fuse

- ❖ All are 1/4" in diameter, but vary in length according to the ampere rating to ensure accurate fuse replacement.
- ❖ Volt Rating: 32V AC/DC 250V may be substituted



Item #	Description	Qty
SFE		
LITSFE-4	4 Amp 32 Volt 1/4" X 5/8" Glass Fuse	5
LITSFE-6	6 Amp 32 Volt 1/4" X 3/4" Glass Fuse	5
LITSFE-7 1/2	7 1/2 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITSFE-9	9 Amp 32 Volt 1/4" X 7/8" Glass Fuse	5
LITSFE-14	14 Amp 32 Volt 1/4" X 1 1/16" Glass Fuse	5
LITSFE-20	20 Amp 32 Volt 1/4" X 1 1/4" Glass Fuse	5
LITSFE-30	30 Amp 32 Volt 1/4" X 1 7/16" Glass Fuse	5

GBC Fuse

- ❖ A ceramic type, torpedo shaped fuse.
- ❖ Consisting of a heat resistant body, the fuse element stretches over the exterior of the body end to end.
- ❖ Volt Rating: 32V AC/DC 250V may be substituted



Item #	Description	Qty
GBC – (6 x 25mm)		
LITGBC-5 (Yellow)	6 X 25mm 5 Amp Ceramic Fuse	5
LITGBC-8 (White)	6 X 25mm 8 Amp Ceramic Fuse	5
LITGBC-16 (Red)	6 X 25mm 16 Amp Ceramic Fuse	5
LITGBC-25 (Blue)	6 X 25mm 25 Amp Ceramic Fuse	5

MEGA® Bolt-On Fuse

- ❖ Designed for high current protection up to 250 amperes found OEM on Ford, GM and Chrysler vehicles.
- ❖ Slo-Blo® feature eliminates nuisance blowing during temporary, short duration overloads.
- ❖ Volt Rating: 32V AC/DC Slo-Blo®



Item #	Color	Description	Qty
LITMEG100	Yellow	100 Amp Slo-Blo® MEGA® Bolt-On Fuse	5
LITMEG125	Green	125 Amp Slo-Blo® MEGA® Bolt-On Fuse	5
LITMEG150	Orange	150 Amp Slo-Blo® MEGA® Bolt-On Fuse	5
LITMEG175	White	175 Amp Slo-Blo® MEGA® Bolt-On Fuse	5
LITMEG200	Blue	200 Amp Slo-Blo® MEGA® Bolt-On Fuse	5
LITMEG225	Tan	225 Amp Slo-Blo® MEGA® Bolt-On Fuse	5
LITMEG250	Pink	250 Amp Slo-Blo® MEGA® Bolt-On Fuse	5

MIDI® Bolt-On Fuse

- ❖ Found OEM on Chrysler and BMW vehicles.
- ❖ Slo-Blo® feature eliminates nuisance blowing during temporary, short duration overloads.
- ❖ Volt Rating: 32V AC/DC Slo-Blo®



Item #	Color	Description	Qty
LITMID40	Green	40 Amp Slo-Blo® MIDI® Bolt-On Fuse	5
LITMID50	Red	50 Amp Slo-Blo® MIDI® Bolt-On Fuse	5
LITMID80	White	80 Amp Slo-Blo® MIDI® Bolt-On Fuse	5

Fuses (continued)

JCASE® High Amp Fuse

- ❖ Patented technology provides both increased time delay and low voltage drop.
- ❖ Features ANSI standard OCR-A font for visual inspection systems, double spring-beam box terminal and unique secondary locking feature holds terminal firmly in place.
- ❖ Volt Rating: 32V AC/DC 250V may be substituted



Item #	Color	Description	Qty
LITJCAS20	Blue	20 Amp Slo-Blo® High Amp Bolt-On Fuse	1/5
LITJCAS30	Pink	30 Amp Slo-Blo® High Amp Bolt-On Fuse	1/5
LITJCAS40	Green	40 Amp Slo-Blo® High Amp Bolt-On Fuse	1/5
LITJCAS50	Red	50 Amp Slo-Blo® High Amp Bolt-On Fuse	1/5
LITJCAS60	Yellow	60 Amp Slo-Blo® High Amp Bolt-On Fuse	1/5

Auto Link PAL™ Fuse

- ❖ Commonly found on many Japanese and Domestic built vehicles in current ratings up to 120 amperes.
- ❖ Color coded to indicate amp rating.



Item #	Color	Description	Qty
Auto Link PAL™ Female Terminal			
LITPAL20	Blue	20 Amp Female Terminal Auto Link Pal Fuse	1/5
LITPAL30	Pink	30 Amp Female Terminal Auto Link Pal Fuse	1/5
LITPAL40	Green	40 Amp Female Terminal Auto Link Pal Fuse	1/5
LITPAL50	Red	50 Amp Female Terminal Auto Link Pal Fuse	1/5
LITPAL60	Yellow	60 Amp Female Terminal Auto Link Pal Fuse	1/5
Auto Link PAL™ Straight Male Terminal			
LITPAL130	Pink	130 Amp Straight Male Terminal Auto Link Pal Fuse	1/5
LITPAL160	Yellow	160 Amp Straight Male Terminal Auto Link Pal Fuse	1/5
LITPAL180	Black	180 Amp Straight Male Terminal Auto Link Pal Fuse	1/5
LITPAL1100	Blue	1100 Amp Straight Male Terminal Auto Link Pal Fuse	1/5
LITPAL1120	Gray	1120 Amp Straight Male Terminal Auto Link Pal Fuse	1/5
Auto Link PAL™ 3/16" Bent Male Terminal			
LITPAL230	Pink	230 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL240	Green	240 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL250	Red	250 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL260	Yellow	260 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL270	Brown	270 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL280	Black	280 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL2100	Blue	2100 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL2120	Gray	2120 Amp 13/16" Bent Male Terminal Auto Link Pal Fuse	1/5
Auto Link PAL™ Mini Female Terminal			
LITPAL330	Pink	330 Amp Mini Female Terminal Auto Link Pal Fuse	1/5
LITPAL340	Green	340 Amp Mini Female Terminal Auto Link Pal Fuse	1/5
Auto Link PAL™ 9/16" Bent Male Terminal			
LITPAL430	Pink	430 Amp 9/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL440	Green	440 Amp 9/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL450	Red	450 Amp 9/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL480	Black	480 Amp 9/16" Bent Male Terminal Auto Link Pal Fuse	1/5
LITPAL4100	Blue	4100 Amp 9/16" Bent Male Terminal Auto Link Pal Fuse	1/5
Auto Link PAL™ Locking Female Terminal			
LITPAL525	Brown	525 Amp Locking Female Terminal Auto Link Pal Fuse	1/5
LITPAL530	Green	530 Amp Locking Female Terminal Auto Link Pal Fuse	1/5

In-Line Fuseholders

Mini® Fuse In-line Fuseholder w/ Protective Cap

- ❖ Use with MINI® Fuse 2 to 20 amps.
- ❖ Supplied with two 4" wire leads of 14 gauge black wire.
- ❖ Includes protective cover for harsh environments.



Item #	Description	Qty
LITFHM-1	Mini® Fuse In-line Fuseholder w/ Protective Cap	1

Mini® Fuse Heavy Duty In-line Fuseholder w/ Protective Cap

- ❖ Use with MINI® Fuse 25 to 30 amps fuses.
- ❖ Supplied with two 4" wire leads of 12 gauge orange wire.
- ❖ Includes protective cover for harsh environments.



Item #	Description	Qty
LITFHM-2	Mini® Fuse Heavy Duty In-line Fuseholder w/ Protective Cap	1

ATO® Fuse In-line Fuseholder w/ Protective Cap

- ❖ Use with ATO® Fuse 1 to 20 amps.
- ❖ Supplied with two 4" wire leads of 16 gauge black wire.
- ❖ Includes protective cover for harsh environments.



Item #	Description	Qty
LITFHAC-1	ATO® Fuse In-line Fuseholder w/ Protective Cap	1

ATO® Fuse Heavy Duty In-line Fuseholder w/ Protective Cap

- ❖ Use with ATO® Fuse 25 to 30 amps fuses.
- ❖ Supplied with two 4" wire leads of 12 gauge orange wire.
- ❖ Includes protective cover for harsh environments.



Item #	Description	Qty
LITFHAC-2	ATO® Fuse Heavy Duty In-line Fuseholder w/ Protective Cap	1

ATO® Fuse In-line Fuseholder

- ❖ Use with ATO® Fuse 1 to 20 amps.
- ❖ Supplied with two 4" wire leads of 16 gauge black wire.



Item #	Description	Qty
LITFHA-1	ATO® Fuse In-line Fuseholder	1

In-Line Fuseholders (continued)**ATO® Fuse Heavy Duty In-line Fuseholder**

- ❖ Use with ATO® Fuse 25 to 30 amp fuses for air conditioner or other heavy duty applications.
- ❖ Supplied with two 4" wire leads of 12 gauge orange wire.



Item #	Description	Qty
LITFHA-2	ATO® Fuse Heavy Duty In-line Fuseholder	1
LITFHA-30	ATO® Fuse Heavy Duty In-line Fuseholder w/ 30 amp	1

MAXI™ Fuse In-line Fuseholder w/ Protective Cap

- ❖ Use with MAXI™ Fuse up to 60 amps.
- ❖ Supplied with two 6" wire leads of 6 gauge black wire.
- ❖ Includes protective cover for harsh environment hole for easy firewall installation.



Item #	Description	Qty
LITMAH-1	MAXI™ Fuse In-line Fuseholder w/ Protective Cap	1

Universal Glass Bayonet Knob In-line Fuseholder

- ❖ Use with Glass SFE 4, 6, 7 1/2, 9, 14, 20, AGA, AGC, AGW and AGX Fuses up to 20amps when proper spring is installed.
- ❖ Supplied with 15" loop of 14 gauge red wire.
- ❖ Includes 3 springs for various fuse sizes and spring-locked, bayonet type knob.
- ❖ Constructed of tough black thermoset.



Item #	Description	Qty
LITFHP-1	Universal Glass Bayonet Knob In-line Fuseholder	1

Universal Glass Twist-Lock In-line Fuseholder

- ❖ Use with Glass SFE 4, 6, 7 1/2, 9, 14, 20, AGA, AGC, AGW and AGX Fuses up to 20amps.
- ❖ Supplied with 8" loop of 14 gauge black wire and one spring.
- ❖ Simple "twist-lock" allows easy fuse removal and replacement.
- ❖ Constructed of weather resistant nylon.



Item #	Description	Qty
LITFNY-1	Universal Glass Twist-Lock In-line Fuseholder	1

In-Line Fuse Holders (continued)

Glass Fuse Heavy Duty 30 AMP In-line Fuseholder

- ❖ Spring loaded heavy duty glass fuseholder includes AGC 30 amp fuse for GM air conditioner, heater blower motors or other heavy duty applications.
- ❖ Supplied with two 4" wire leads of 12 gauge orange wire.



Item #	Description	Qty
LITFNY-30	Glass Fuse Heavy Duty 30 Amp In-line Fuseholder	1

Add-A-Circuit Kits

ATO® Add-A-Circuit™ Kit

- ❖ Allows easy installation of additional circuits without cutting or splicing.
- ❖ Turns one fuse slot into two while providing protection for both circuits.
- ❖ Includes ATO 3, 5, 7.5 and 10 amps.
- ❖ Use with ATO® Fuses up to 10 amps.



Item #	Description	Qty
LITFHA-200	ATO® Add-A-Circuit™ Kit	1

MINI® Add-A-Circuit™ Kit

- ❖ Allows easy installation of additional circuits without cutting or splicing.
- ❖ Turns one fuse slot into two while providing protection for both circuits.
- ❖ Includes MINI 3, 5, 7.5 and 10 amps.
- ❖ Use with MINI® Fuses up to 10 amps.



Item #	Description	Qty
LITFHM-200	MINI® Add-A-Circuit™ Kit	1

Fuse Holders

MAXI™ Fuse Single Pole High Amp Block

- ❖ Use with MAXI™ fuses up to 60 amps.
- ❖ Ideal for high amp audio applications. Interlocking block feature permits two pole position installation.
- ❖ Safe/easy replacement for hard to replace fusible link wire.



Item #	Description	Qty
LITMAB-1	MAXI™ Fuse Single Pole High Amp Block	1

Fuse Holders (continued)

MEGA® Fuse Block

- ❖ Use with MEGA® fuses up to 250 amps.
- ❖ Ideal for battery and alternator connections and other heavy gauge cables requiring ultra high current protection.
- ❖ Includes protective cover, M8 threaded studs and hex nuts with lock washers. (Fuse not included)



Item #	Description	Qty
LIT298900	MAXI™ Fuse Block with Cover	1

MIDI® Fuse Block

- ❖ Use with MIDI® fuses up to 100 amps.
- ❖ Features interconnecting pins on side of fuse block for secure multiple block configurations.
- ❖ Includes protective cover, M8 threaded studs and hex nuts with lock washers. (Fuse not included)



Item #	Description	Qty
LIT498900	MIDI® Fuse Block with Cover	1

Bussman® In-Line Fuse Holders

Bussman® HHB Series

- ❖ For 1/4" x 7/8" to 1/4" x 1 1/4" fuses
- ❖ Accepts #16 to #12 AWG copper wire
- ❖ "Snap-Lock" feature provides strong positive union.
- ❖ Simple crimp assembly.



Item #	Description	Qty
BUSHHB	1/4" x 7/8" to 1 1/4" In-Line Fuse Holder	1

Bussman® HFB In-Line Waterproof Series

- ❖ For 1/4" x 1 1/4" fuses
- ❖ Accepts #18 to #12 AWG copper wire
- ❖ Ideal for harsh environments: Water, Salt Spray, Ultraviolet Light, Ozone, -40° to 150°C temperature range and withstands many organic solvents & rigorous shock/vibration.



Item #	Description	Qty
BUSHFB	1/4" x 1 1/4" Waterproof In-Line Fuse Holder	1

Fuse Blocks

Blade Type Fuse Panel

- ❖ Accepts ATC® blade-type fuses, or blade-type, auto or manual reset circuit breakers.
- ❖ Output terminals - .250" x .032" OC rated 30A max. per circuit; Input terminals - #10-32 stud input rated 150A max.
- ❖ Provides 6-24 protected output circuits.



POL52-406

ATC Blade Type Fuse Panel

Item #	Blade Type	Dimensions	Mounting Hole Center	Qty
POL52-406	6	L 2.47" x D 3.38" x H 0.81"	0.62"	1
POL52-408	8	L 3.09" x D 3.38" x H 0.81"	1.25"	1
POL52-410	10	L 3.72" x D 3.38" x H 0.81"	1.87"	1
POL52-412	12	L 4.34" x D 3.38" x H 0.81"	2.50"	1

Fuse Panel

Item #	Blade Type	Dimensions	Blade Terminals	Qty
POL52-214	12	L 7.38" x D 2.0" x H 0.56"	52-214Q	1

Terminal Blocks (Non Feed-Thru)

- ❖ Rating: 30A, 12VDC
- ❖ Operating Temperature: 250°F (120°C)
- ❖ Standards: 2 to 10 steel studs on .750" centers and a "dog point" to guide nut into 10-24 thread.
- ❖ Torque: Recommended 20in/lb.



POL52-244

Item #	# of Gangs	Length	Mounting Hole Center	Qty
POL52-244	4	4.5"	0.62"	1
POL52-245	6	6"	1.25"	1
POL52-246	8	7.5"	1.87"	1
POL52-247	10	9"	2.50"	1

Terminal Blocks with Independent Feeds

- ❖ Rating: 20A, 12VDC, UL & CSA
- ❖ Center Spacing: 7/16"
- ❖ Wiring: Terminals will accept maximum wire size – AWG #12
- ❖ Terminal Screw Size: #6-32 phillslot combination.
- ❖ Distance Between Barriers: 0.353"
- ❖ Temp. Rating: 302°F (150°C) max to -40°F (-40°C).



POL52-270

Item #	# of Gangs	Length	Mounting Hole Center	Qty
POL52-270	4	L 2.51" x W 1.37" x H 0.75"	2.18"	1
POL52-271	6	L 3.38" x W 1.37" x H 0.75"	3.06"	1
POL52-272	8	L 4.25" x W 1.37" x H 0.75"	3.93"	1
POL52-273	10	L 5.13" x W 1.37" x H 0.75"	4.81"	1
POL52-274	14	L 6.87" x W 1.37" x H 0.75"	6.56"	1

Circuit Breakers

Type I - Single Pole Thermal Type Breaker

- ❖ Rating: 5A to 50A; 12VDC
- ❖ Operating Temp: -10°F (-23°C) to 150°F (65°C).
- ❖ Storage Temp: -20°F (-29°F) to 200°F (93°C).
- ❖ Applications: Battery charges, trucks, buses, RV's, trolling motors, etc.
- ❖ Complies with SAE Standard J553.

Item #	Item #	Amp	Qty
Plastic Base 12 VDC	Metal Base 12 VDC		
POL54-110PL	N/A	10	1/5
N/A	POL54-115	15	1/5
POL54-120PL	POL54-120	20	1/5
POL54-125PL	POL54-125	25	1/5
POL54-130PL	POL54-130	30	1/5
POL54-135PL	N/A	35	1/5
N/A	POL54-140	40	1/5
POL54-150PL	POL54-150	50	1/5
No Mounting Bracket			

Item #	Item #	Amp	Qty
Plastic Base 12 VDC	Metal Base 12 VDC		
POL54-215PL	POL54-215	15	1/5
POL54-220PL	POL54-220	20	1/5
N/A	POL54-225	25	1/5
POL54-230PL	POL54-230	30	1/5
POL54-831 (Plastic 24 VDC)		30	1/5
POL54-240	POL54-240PL	40	1/5
POL54-250	POL54-250PL	50	1/5
90° Mounting Bracket			

Item #	Item #	Amp	Qty
Plastic Base 12 VDC	Metal Base 12 VDC		
POL54-510PL	N/A	10	1/5
POL54-515PL	POL54-515	15	1/5
POL54-520PL	POL54-520	20	1/5
N/A	POL54-525	25	1/5
POL54-530PL	POL54-525	30	1/5
POL54-535PL	POL54-530	35	1/5
N/A	POL54-540	40	1/5
POL54-550PL	POL54-550	50	1/5
Straight Mounting Bracket			

Circuit Breaker Classifications

Type I – Cycling

- Continuously re-sets until the overload is corrected.

Type II – Non-Cycling

- Remains open as long as the overload exists. The unit resets when the situation is corrected.

Type III – Manual Reset

- Remains open until the until it is manually reset by pushing the button



POL54-120PL



POL54-120



POL54-220PL



POL54-220



POL54-530



POL54-520PL

Circuit Breakers (continued)

Type II - Plug-In Terminal Type

- ❖ Designed with an additional resistive component this style breaker remains open as long as power is available or until the load is removed.
- ❖ Special "snap-off" feature provides three lengths of .300, .500, or .750".



Item #	Amp	Qty
POL54-705	5	1/5
POL54-710	10	1/5
POL54-715	15	1/5
POL54-720	20	1/5
POL54-725	25	1/5
POL54-730	30	1/5

Type II - Glass Fuse Type

- ❖ Fits in holders which accommodate 1/4" dia. X 1 1/4" long glass fuses.
- ❖ Snap-In mounting in all 1 1/4" clips.



Item #	Amp	Qty
POL54-410	10	1/5
POL54-415	15	1/5
POL54-420	20	1/5
POL54-430	30	1/5
POL54-440	40	1/5

Type II - Plug-In Type

- ❖ Fits in Mack and Navistar breaker blocks.



Item #	Item #	Amp	Qty
Blade Terminals (Mack)	Blade Terminals (Novistar)		
POL54-891PL	POL54-901PL	15	1/5
POL54-892PL	POL54-902PL	20	1/5
POL54-893PL	POL54-903PL	25	1/5
POL54-894PL	POL54-904PL	30	1/5

Type II - Maxi-Style Plug-In

- ❖ OEM style replacement circuit breaker for Ford, Paccar & Freightliner.



Item #	Amp	Style	Qty
POL54-950	20	Generic	1/5
POL54-951	30	Generic	1/5

Type II - ATO Style Plug-In

- ❖ OEM style replacement circuit breaker for Ford Class 8 Vehicles.



Item #	Amp	Style	Qty
POL54-953	10	Ford HD 8	1/5
POL54-954	15	Ford HD 8	1/5
POL54-955	20	Ford HD 8	1/5
POL54-956	30	Ford HD 8	1/5

Type II - Mini-Style Plug-In

- ❖ OEM style replacement circuit breaker for Freightliner and Paccar Class 8 Vehicles.



Item #	Amp	Style	Qty
POL54-957	10	Freightliner HD 8	1/5
POL54-958	15	Freightliner HD 8	1/5
POL54-959	20	Paccar HD8	1/5
POL54-960	30	Paccar HD8	1/5

Circuit Breakers (continued)**Type III - Push Button Terminal**

- ❖ Rating: 5A to 50A; 12VDC
- ❖ Operating Temp: -10°F (-23°C) to 150°F (65°C).
- ❖ Storage Temp: -20°F (-29°C) to 200°F (93°C).
- ❖ Applications: Battery charges, trucks, buses, RV's, trolling motors, etc.
- ❖ Complies with SAE Standard J553.



POL54-630PL



POL54-311PL

Item #	Item #	Amp	Qty
Plastic	Maxi-Style		
*	POL54-311PL	10	1/5
*	POL54-321PL	20	1/5
POL54-630PL	POL54-331PL	30	1/5
POL54-640PL	*	40	1/5
POL54-650PL	*	50	1/5

High Amp Thermal Type

- ❖ Rating: 40A to 150A; 12VDC
- ❖ Operating Temp: -25°F (-32°C) to 180°F (82°C).
- ❖ Storage Temp: -30°F (-34°F) to 300°F (149°C).
- ❖ Applications: Typically used in auxiliary & accessory circuits – trucks, buses, RV's and marine applications.
- ❖ Complies with SAE Standard J553.



Type I Auto Reset

Item #	Amp	Qty
Type I Auto Reset Surface Mount		
POL54-850PL	60	1/5
POL54-853PL	80	1/5
POL54-851PL	100	1/5
POL54-854PL	120	1/5
POL54-852PL	150	1/5

Item #	Amp	Qty
Type III Switchable Manual Reset Surface Mount		
POL54-870PL	60	1/5
POL54-871PL	100	1/5
POL54-872PL	150	1/5
POL54-873PL	80	1/5
POL54-874PL	120	1/5



Type III Switchable

ATC Type II – Modified Reset

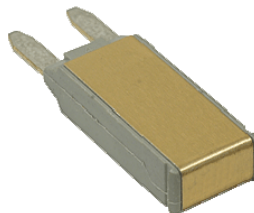
- ❖ Single pole thermal –style breakers, 12VDC
- ❖ Body: .84"L x .25"W x 1.07" H
- ❖ Blades: .43"L
- ❖ Complies with SAE J553



Item #	Amp	Qty
POL54-910	10	1/5
POL54-911	15	1/5
POL54-912	20	1/5

Mini Type I – Automatic Reset

- ❖ Single pole thermal –style breakers, 12VDC
- ❖ Body: .483"L x .250"W x 1.06" H
- ❖ Blades: .354"L. Compatible with 280 fuse blocks
- ❖ Complies with SAE J553

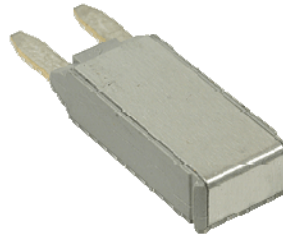


Item #	Amp	Qty
POL54-970	10	1/5
POL54-971	15	1/5
POL54-972	20	1/5

Circuit Breakers (continued)

Mini Type II – Modified Reset

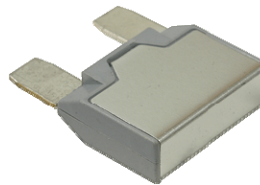
- ❖ Single pole thermal –style breakers, 12VDC
- ❖ Body: .483"L x .250"W x 1.06" H
- ❖ Blades: .354"L. Compatible with 280 fuse blocks
- ❖ Complies with SAE J553



Item #	Amp	Qty
POL54-975	10	1/5
POL54-976	15	1/5
POL54-977	20	1/5

Maxi Type II – Modified Reset

- ❖ Single pole thermal –style breakers, 12VDC
- ❖ Body: 1.15"L x .36"W x .86" H
- ❖ Blades: .50"L.
- ❖ Interchangeable with blade fuse



Item #	Amp	Qty
POL54-981	10	1/5
POL54-982	15	1/5
POL54-983	20	1/5

Bussman® Circuit Breakers

Type I - ATM Footprint Circuit Breaker

- ❖ Ultra-thin, to fit in tight spaces.
- ❖ Complies with SAE standard J553.



Item #	Amp	Qty
BUS21110	10	1/5
BUS21115	15	1/5
BUS21120	20	1/5
BUS21125	25	1/5
BUS21130	30	1/5

Type II - ATM Footprint Circuit Breaker

- ❖ Ultra-thin, to fit in tight spaces.
- ❖ Complies with SAE standard J553.



Item #	Amp	Qty
BUS21210	10	1/5
BUS21215	15	1/5
BUS21220	20	1/5
BUS21225	25	1/5
BUS21230	30	1/5

Type I - ATC Footprint Circuit Breaker

- ❖ Ultra-thin, to fit in tight spaces.
- ❖ Designed to fit ATC style fuse panels.
- ❖ Complies with SAE standard J553.



Item #	Amp	Qty
BUS22110	10	1/5
BUS22115	15	1/5
BUS22120	20	1/5
BUS22125	25	1/5
BUS22130	30	1/5

Bussman® Circuit Breakers (continued)

Type II - ATC Footprint Circuit Breaker

- ❖ Ultra-thin, to fit in tight spaces.
- ❖ Designed to fit ATC style fuse panels.
- ❖ Complies with SAE standard J553.



Item #	Amp	Qty
BUS22210	10	1/5
BUS22215	15	1/5
BUS22220	20	1/5
BUS22225	25	1/5
BUS22230	30	1/5

Type III - ATC Footprint Circuit Breaker

- ❖ Ultra-thin, to fit in tight spaces.
- ❖ Designed to fit ATC style fuse panels.
- ❖ Complies with SAE standard J553.



Item #	Amp	Qty
BUS22310	10	1/5
BUS22315	15	1/5
BUS22320	20	1/5
BUS22325	25	1/5
BUS22330	30	1/5

Type I - MAX Footprint Circuit Breaker

- ❖ 12 Volt – identical in size to Maxi-style fuses.



Item #	Amp	Qty
BUS19115	15	1/5
BUS19120	20	1/5
BUS19125	25	1/5
BUS19130	30	1/5

Type III - High Amp Circuit Breaker

- ❖ Used in auxiliary & accessory circuits for trucks, buses, RV's and marine applications.
- ❖ SEMS Nut Installed.
- ❖ Comply with SAE J1117 standards.



Item #	Amp	Qty
Type III Waterproof Manual Reset Surface Mount		
BUS184150	150	1/5

Item #	Amp	Qty
Type III Switchable, Waterproof Flush – Mount Manual Reset		
BUS185050F	50	1/5
BUS185060F	60	1/5
BUS185080F	80	1/5
BUS185100F	100	1/5
BUS185150F	150	1/5



Bussman® Circuit Breakers (continued)

Panel Mount Breakers

- ❖ Used in trucks, RVs, boats, etc. offered with 1/4" quick-connect or 90° bent screw terminal.
- ❖ 32 Volt.



Item #	Amp	Qty
Type III Circuit Breaker with 1/4" Quick-Connect Terminals		
BUS17410	50	1/5
BUS17415	60	1/5
BUS17420	80	1/5
BUS17425	100	1/5
BUS17430	150	1/5

Type III - Push Button Circuit Breakers

- ❖ Series 16 rated for 250V AC and 50V DC.
- ❖ This circuit breaker resets actuator mechanism then remains disengaged until manually reset.



Item #	Amp	Qty
MP1600-037-100	10	1
MP1600-037-150	15	1
MP1600-037-200	20	1
MP1600-037-250	25	1
MP1600-037-300	30	1

Thermal Circuit Breakers

SDLA Circuit Breaker – Sealed Construction/Automatic Reset

- ❖ 35-150 amps and provide trouble free protection for harsh environments.
- ❖ Ignition protected thermal breakers.
- ❖ Designed for battery protection in electric vehicles, circuit protection of truck lift-gates and over-current protection in battery charges.



Item #	Amp	Qty
KLIX-SDLA-40	40	1
KLIX-SDLA-50	50	1
KLIX-SDLA-60	60	1
KLIX-SDLA-70	70	1
KLIX-SDLA-80	80	1

SDLM Circuit Breaker – Sealed Construction/Manual Reset

- ❖ 35-150 amps and provide trouble free protection for harsh environments.
- ❖ Ignition protected thermal breakers.
- ❖ Designed for battery protection in electric vehicles, circuit protection of truck lift-gates and over-current protection in battery charges.



Item #	Amp	Qty
KLIX-SDLM-40	40	1
KLIX-SDLM-60	60	1
KLIX-SDLM-70	70	1

Thermal Flashers

Universal Variable for Domestic Cars

- ❖ Features durable, heavy duty thermal flashing mechanism for increased reliability. Quality construction ensures continued operation even under harsh temperature and humidity environmental factors
- ❖ Turn Signals: Flashes two to three 32 C.P. standard or long-life lamps.
- ❖ Hazard Warning: Flashes two to six lamps.



Item #	Volts	Terminals	Lamps	Qty
FL536	12	2	2-6	1/10
FL552	12	2	2-6	1/10

Variable for Import Cars/Domestic Trucks

- ❖ Separate pilot circuit and durable, heavy duty thermal flashing mechanism for increased reliability. Quality construction ensures continued operation even under harsh temperature and humidity environmental factors
- ❖ Turn Signals: Flashes two to three 32 C.P. standard or long-life lamps.
- ❖ Hazard Warning: Flashes two to six lamps.



Item #	Volts	Terminals	Lamps	Qty
FL550	12	3	2-6	1/10

Variable for Cars and Light Trucks

- ❖ Features durable, heavy duty thermal flashing mechanism for increased reliability. Quality construction ensures continued operation even under harsh temperature and humidity environmental factors
- ❖ Turn Signals: Flashes two to three 32 C.P. standard or long-life lamps.
- ❖ Hazard Warning: Flashes two to six lamps.



Item #	Volts	Terminals	Lamps	Qty
FL569	12	3	2-6	1/10

Heavy Duty Electro Mechanical

- ❖ Heavy Duty flasher for trucks and foreign cars.
- ❖ Provides 10 times the service life of conventional thermal flasher.



Item #	Volts	Terminals	Lamps	Qty
FL850/5X	12	3	1-10	1/10
FL852/5X	12	2	1-10	1/10

Thermal Flashers (continued)

Alternating Thermal Flasher

Item #	Volts	Terminals	Lamps	Qty
FL537	12	3	2-6	1/10

Variable Load Thermal Flasher with Mounting Bracket

Item #	Volts	Terminals	Lamps	Qty
FL562	12	2	2-6	1/10

Variable Load Thermal Flasher

Item #	Volts	Terminals	Lamps	Qty
FL575	12	2	2-8	1/10

CEC® Thermal Flashers

Combination TS & Haz Thermal Flasher

Item #	Volts	Terminals	Amps	Qty
CEC-TF550	12	3	12	1/10
CEC-TF552/536	12	2	12	1/10
CEC-TF569	12	3	12	1/10
CEC-TF575	12	3	16	1/10



ELECTRICAL COMPONENTS

CEC® Electronic Flashers



Variable Load Thermal Flasher

Item #	Volts	Terminals	Amps	Qty
CEC-EF22	24	2	12	1/10
CEC-EF23	24	3	15	1/10
CEC-EF31	12	3	25	1/10
CEC-EF32	12	2	25	1/10
CEC-EF33	12	3	25	1/10
CEC-EF40	12	2	35	1/10
CEC-EF41	12	3	35	1/10
CEC-EF42	12	2	45	1/10
CEC-EF43	12	3	45	1/10



Combination TS & Haz Thermal Flasher

Item #	Volts	Terminals	Amps	Qty
CEC-EF27	12	5	15	1/10
CEC-EF29	12	4	12	1/10
CEC-EF34	12	3	12	1/10

Relays

Power Relay

Item #	Volts	Amps NO	Contact Action	Terminal Description	Qty
BOSH332002150	12	100	SPST	4 Terminals, Dual Action	1
BOSH332002156	12	75	SPST	4 Terminals w/ Parallel & Series Diodes	1
BOSH332002250	24	50	SPST	4 Terminals, Pre-contact	1
BOSH332002256	24	50	SPST	4 Terminals w/ Parallel & Series Diodes	1



BOSH332002250

High Capacity Mini - Relay

Item #	Volts	Amps NO	Rating NC	Contact Action	Terminal Description	Qty
BOSH332019103	12	50	-	SPST	4 Terminals	1
BOSH332019110	12	50	-	SPST	4 Terminals, Bracket Mount	1
BOSH332209137	12	50	20	SPDT	5 Terminals	1
BOSH332209138	12	50	20	SPDT	5 Terminals, Bracket Mount	1
BOSH332209211	24	20	10	SPDT	5 Terminals	1
BOSH332209203	24	20	10	SPDT	5 Terminals, Bracket Mount	1
BOSH332209204	24	20	10	SPDT	5 Terminals, Diode	1



BOSH332019110



BOSH332209211

Standard 40Amp Mini - Relay

Item #	Volts	Amps NO	Rating NC	Contact Action	Terminal Description	Qty
BOSH332019150	12	40	-	SPST	5 Terminals, Bracket Mount	1
BOSH332019151	12	40	-	SPST	5 Terminals	1
BOSH332019155	12	40	-	SPST	5 Terminals, Bracket Mount, Diode	1
BOSH332209150	12	40	20	SPDT	5 Terminals, Bracket Mount	1
BOSH332209151	12	40	20	SPDT	5 Terminals	1
BOSH332209159	12	40	20	SPDT	5 Terminals, Resistor	1
BOSH332209161	12	40	20	SPDT	5 Terminals, Bracket Mount, Resistor	1



BOSH332019150



BOSH332209159

ELECTRICAL COMPONENTS

Relays (continued)



Micro Relays

Item #	Volts	Amps NO	Rating NC	Contact Action	Terminal Description	Qty
BOSH332201730	12	20	-	SPST	4 Terminals, Bracket Mount, Resistor	1
BOSH332207307	12	20	10	SPDT	5 Terminals, Resistor	1



Micro Relays – M3

Item #	Volts	Amps NO	Rating NC	Contact Action	Terminal Description	Qty
BOSH332011007	12	30	-	SPST	4 Terminals, Resistor	1
BOSH332201107	12	30	10	SPDT	5 Terminals, Resistor	1



BOSH334485007



BOSH334485008

Relay Socket

Item #	Description	Qty
BOSH334485007	Plug in Molded Base for Relay	1/10
BOSH334485008	Plug in Molded Base w/ Bracket for Relay	1/10



Pre-made Relay Harness

Item #	Description	Qty
BOSH334485001	14 GA, 5 Pole Prewired Relay Socket	1/10

Brass Pipe Fittings

Brass Pipe Fittings

Typical Application:

Grease, refrigeration, instrumentation & hydraulic systems. Fuel, LP & natural gas available on special order.

Pressure:

Operating pressure up to 1200 psi.

Vibration:

Fair resistance.

Temperature Range:

-65°F to +250°F.

Material:

CA360 Brass.

Used With:

Brass, bronze & iron pipe.

Advantages:

Dry seal pipe threads (NPTF). Large range of sizes & configurations.

Conformance:

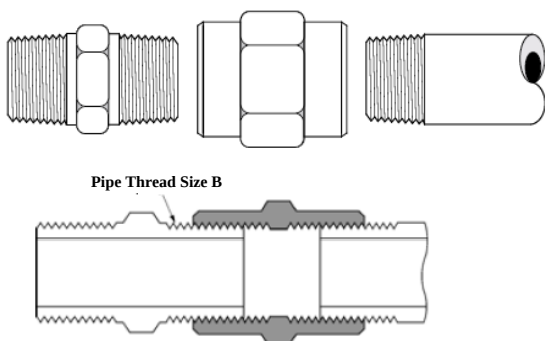
Listed by Underwriters Laboratories for fuel equipment, refrigeration & gas, (available on special order). Meets specifications & standards of ASA, ASME, & SAE.

Ordering Information:

Order individually by catalog number.

Assembly Instructions:

Tighten approximately 2-1/2 turns past hand tight.



Pipe Size (A)	1/16	1/8	1/4	3/8	1/2	3/4
Thread Size (B)	1/16-27	1/8-27	1/4-18	3/8-18	1/2-14	3/4-14

Cap



Item #	Female Pipe Thread
WH3129X2	1/8
WH3129X4	1/4
WH3129X6	3/8
WH3129X8	1/2
WH3129X12	3/4

Slotted Plug



Item #	Male Pipe Thread
WH3150X2	1/8
WH3150X4	1/4
WH3150X6	3/8

Square Head Plug



Item #	Male Pipe Thread
WH3151X2	1/8
WH3151X4	1/4
WH3151X6	3/8
WH3151X8	1/2
WH3151X12	3/4

Hex Head Plug



Item #	Male Pipe Thread
WH3152X2	1/8
WH3152X4	1/4
WH3152X6	3/8
WH3152X8	1/2
WH3152X12	3/4

Adapter



Item #	Female Pipe Thread	Male Pipe Thread
WH3200X2	1/8	1/8
WH3200X4X2	1/4	1/8
WH3200X4	1/4	1/4
WH3200X6X4	3/8	1/4
WH3200X6	3/8	3/8
WH3200X8X6	1/2	3/8
WH3200X12X6	3/4	3/8
WH3200X12X8	3/4	1/2

Hex Socket Plug



Item #	Male Pipe Thread
WH3169X2	1/8
WH3169X4	1/4
WH3169X6	3/8
WH3169X8	1/2
WH3169X12	3/4
WH3169X16	1

FITTINGS

Brass Pipe Fittings (continued)

Bushing



Item #	Male Pipe Thread	Female Pipe Thread
WH3220X4X2	1/4	1/8
WH3220X6X2	3/8	1/8
WH3220X6X4	3/8	1/4
WH3220X8X2	1/2	1/8
WH3220X8X4	1/2	1/4
WH3220X8X6	1/2	3/8
WH3220X12X6	3/4	3/8
WH3220X12X8	3/4	1/2
WH3220X16X12	1	3/4

Close Nipple



Item #	Male Pipe Thread
WH3326X2	1/8
WH3326X4	1/4
WH3326X6	3/8
WH3326X8	1/2
WH3326X12	3/4
WH3326X16	1
WH3326X32	2

Coupling



Item #	Female Pipe Thread
WH3300X2	1/8
WH3300X4	1/4
WH3300X6	3/8
WH3300X8	1/2
WH3300X12	3/4
WH3300X16	1

Reducer Coupling



Item #	Female Pipe Thread	Female Pipe Thread
WH3300X4X2	1/4	1/8
WH3300X6X2	3/8	1/8
WH3300X6X4	3/8	1/4
WH3300X8X4	1/2	1/4
WH3300X8X6	1/2	3/8
WH3300X12X8	3/4	1/2
WH3300X16X12	1	3/4

Long Nipple



Item #	Male Pipe Thread	Length
WH3327X2	1/8	1-1/2
WH3328X2	1/8	2
WH3329X2	1/8	2-1/2
WH3330X2	1/8	3
WH3331X2	1/8	3-1/2
WH3327X4	1/4	1-1/2
WH3328X4	1/4	2
WH3329X4	1/4	2-1/2
WH3330X4	1/4	3
WH3331X4	1/4	3-1/2
WH3327X6	3/8	1-1/2
WH3328X6	3/8	2
WH3329X6	3/8	2-1/2
WH3330X6	3/8	3
WH3331X6	3/8	3-1/2
WH3328X8	1/2	2
WH3329X8	1/2	2-1/2
WH3330X8	1/2	3
WH3328X12	3/4	2
WH3329X12	3/4	2-1/2

Hex Nipple



Item #	Male Pipe Thread	Male Pipe Thread
WH3325X1	1/16	1/16
WH3325X2X1	1/8	1/16
WH3325X2	1/8	1/8
WH3325X4X2	1/4	1/8
WH3325X4	1/4	1/4
WH3325X6X2	3/8	1/8
WH3325X6X4	3/8	1/4
WH3325X6	3/8	3/8
WH3325X8X4	1/2	1/4
WH3325X8X6	1/2	3/8
WH3325X8	1/2	1/2
WH3325X12	3/4	3/4
WH3325X12X8	3/4	1/2

Bulkhead Coupling (Brass)



Item #	Female Pipe Thread	Thread Size B	Length
WH1344	1/4	3/4 - 16	1.50
WH1345	1/4	3/4 - 16	.94
WH1346	3/8	1 - 14	1.31
WH1351	1/2	1-1/8-14	1.50

Brass Pipe Fittings (continued)

Bulkhead Coupling (Brass)



Item #	Male Pipe Thread	Female Pipe Thread	Thread Size B	Length
WH1340	1/2	1/4	3/4 -16	2.16
WH1341	1/2	1/4	3/4 -16	2.53

90° Elbow



Item #	Female Pipe Thread
WH3500X2	1/8
WH3500X4	1/4
WH3500X6	3/8
WH3500X8	1/2
WH3500X12	3/4
WH3500X16	1
WH3500X24	1-1/2

Bulkhead Coupling (Brass)



Item #	Male Pipe Thread	Female Pipe Thread	Thread Size B	Length
WH1342	1/2	1/4	1 -14	2.94
WH1343	1/2	1/4	1 -14	3.94

Male Branch Tee



Item #	Female Pipe Thread	Male Pipe Thread
WH3600X2	1/8	1/8
WH3600X4	1/4	1/4
WH3600X6	3/8	3/8
WH3600X8	1/2	1/2
WH3600X12	3/4	3/4

45° Street Elbow



Item #	Male Pipe Thread	Female Pipe Thread
WH3350X2	1/8	1/8
WH3350X4	1/4	1/4
WH3350X6	3/8	3/8
WH3350X8	1/2	1/2
WH3350X12	3/4	3/4

Tee



Item #	Female Pipe Thread
WH3700X2	1/8
WH3700X4	1/4
WH3700X6	3/8
WH3700X8	1/2
WH3700X12	3/4

90° Street Elbow



Item #	Male Pipe Thread	Female Pipe Thread
WH3400X2	1/8	1/8
WH3400X2W *	1/8	1/8
WH3400X4X2	1/4	1/8
WH3400X4W *	1/4	1/4
WH3400X4	1/4	1/4
WH3400X6	3/8	3/8
WH3400X8	1/2	1/2
WH3400X12	3/4	3/4

* Low Profile

Male Run Tee



Item #	Female Pipe Thread	Male Pipe Thread
WH3750X2	1/8	1/8
WH3750X4	1/4	1/4
WH3750X6	3/8	3/8
WH3750X8	1/2	1/2
WH3750X12	3/4	3/4

Cross



Item #	Female Pipe Thread
WH3950X2	1/8
WH3950X4	1/4
WH3950X6	3/8
WH3950X8	1/2

FITTINGS

Brass Inverted Flare Fittings

Brass Inverted Flare Fittings

Typical Application:

Hydraulic brake, power steering, fuel lines and transmission cooler lines, LP and natural gas (special – order).

Pressure:

Operating pressure up to 2000 psi.

Vibration:

Excellent resistance.

Temperature Range:

-65°F to +250°F.

Material:

CA360 Brass.

Used With:

Copper, brass, aluminum & steel hydraulic tubing that can be flared.

Advantages:

Very low cost and reusable. Seats and threads are internal and protected. Compact, excellent vibration life.

Conformance:

Listed by Underwriters Laboratories for fuel equipment, refrigeration & gas, (available on special order). Meets specifications & standards of ASA, ASME, & SAE.

Ordering Information:

Order individually by catalog number.

Assembly Instructions:

Tighten assembly with a wrench until a solid feeling is encountered. From that point, apply 1/6 turn.

Tube Nut - Steel



Item #	Tube O.D.
WH105X2	1/8
WH105X3	3/16
WH105X4	1/4
WH105X5	5/16
WH105X6	3/8
WH105X6X7	11/16
WH105X7	7/16
WH105X8	1/2
WH105X10	5/8
WH105X12	3/4

Tube Nut - Brass

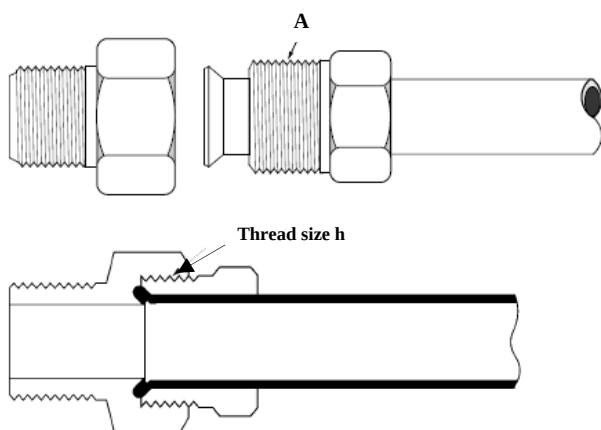


Item #	Tube O.D.
WH100X3	3/16
WH100X4	1/4
WH100X5	5/16
WH100X6	3/8
WH100X8	1/2

Plug - Steel



Item #	Tube O.D.
WH131X3	3/16
WH131X4	1/4
WH131X5	5/16
WH131X6	3/8
WH131X8	1/2



Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Thread Size - B	5/16-28	3/8-24	7/16-24	1/2-20	5/8-18	11/16-18	3/4-18	7/8-18	1-1/16-16	1-3/16-16	1-5/16-16

Tube Nut Long - Steel



Item #	Tube O.D.
WH7896X3	3/16
WH7896X4	1/4

Union



Item #	Tube O.D.
WH302X2	1/8
WH302X3	3/16
WH302X4	1/4
WH302X5	5/16
WH302X6	3/8
WH302X8	1/2

Brass Inverted Flare Fittings (continued)

Adapter SAE 45°



Item #	SAE Tube	Male Pipe Thread
WH1518	1/4	3/16
WH1522	1/4	1/4
WH1553	3/8	5/16
WH1563	3/8	3/8
WH1554	3/8	7/16

90° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH402X2	1/8	1/8
WH402X3	3/16	1/8
WH402X4	1/4	1/8
WH402X4X4	1/4	1/4
WH402X5	5/16	1/8
WH402X5X4	5/16	1/4
WH402X5X6	5/16	3/8
WH402X6X2	3/8	1/8
WH402X6	3/8	1/4
WH402X 6X6	3/8	3/8
WH402X8X4	1/2	1/4
WH402X8	1/2	3/8
WH402X8X8	1/2	1/2
WH402X10X6	5/8	3/8
WH402X10	5/8	1/2

Male Connector



Item #	Tube O.D.	Male Pipe Thread
WH202X2	1/8	1/8
WH202X3	3/16	1/8
WH202X4	1/4	1/8
WH202X4X4	1/4	1/4
WH202X5	5/16	1/8
WH202X5X4	5/16	1/4
WH202X6X2	3/8	1/8
WH202X6	3/8	1/4
WH202X 6X6	3/8	3/8
WH202X8X4	1/2	1/4
WH202X8	1/2	3/8

90° Female Elbow



Item #	Tube O.D.	Female Pipe Thread
WH452X3	3/16	1/8
WH452X4	1/4	1/8
WH452X5	5/16	1/8
WH452X6	3/8	1/4

Female Connector



Item #	Tube O.D.	Female Pipe Thread
WH252X3	3/16	1/8
WH252X4	1/4	1/8
WH252X5	5/16	1/8
WH252X6	3/8	1/4
WH252X8	1/2	3/8

Union Tee



Item #	Tube O.D.
WH702X2	1/8
WH702X3	3/16
WH702X4	1/4
WH702X5	5/16
WH702X6	3/8

45° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH352X3	3/16	1/8
WH352X4	1/4	1/8
WH352X5	5/16	1/8
WH352X5X4	5/16	1/4
WH352X6	3/8	1/4
WH352X8	1/2	3/8

Male Run Elbow



Item #	Tube O.D.	Male Pipe Thread
WH752X3	3/16	1/8
WH752X4	1/4	1/8
WH752X5	5/16	1/8
WH752X6	3/8	1/4
WH752X8	1/2	3/8

90° Union Elbow



Item #	Tube O.D.
WH502X4	1/4
WH502X5	5/16
WH502X6	3/8
WH502X8	1/2

FITTINGS

Brass Inverted Flare Fittings (continued)

Male Branch Tee



Item #	Tube O.D.	Male Pipe Thread
WH602X3	3/16	1/8
WH602X4	1/4	1/8
WH602X5	5/16	1/8
WH602X6	3/8	1/4
WH602X8	1/2	3/8

Female Branch Tee



Item #	Tube O.D.	Female Pipe Thread
WH652X3	3/16	1/8
WH652X4	1/4	1/8
WH652X5	5/16	1/8
WH652X6	3/8	1/4
WH652X8	1/2	3/8

Dual Master Cylinder Adapter



Item #	Inverted Male Thread	Inverted Female Thread
WH7911	3/16	3/16
WH7913	3/16	3/16
WH7910	3/16	3/16
WH7828	3/16	1/4
WH7818	1/4	3/16
WH7732	7/16-20	1/4
WH7908	1/4	1/4
WH7917	1/4	5/16
WH7817	5/16	3/16
WH7909	5/16	3/16
WH7912	5/16	3/16
WH7727	5/16	1/4
WH7829	5/16	1/4
WH1074	5/16	5/16
WH7915	5/16	3/8
WH7771	3/8 NPTF	5/16
WH7916	3/8	5/16

Dual Master Cylinder Adapter



Item #	Bubble Flare Male Thread	Inverted Female Thread
WH1441	3/16	3/16
WH7897	5/16	3/16

Towed Trailer Brake Tee



Item #	Inverted Seat	Male Pipe Thread
WH7906	3/16	1/2-20
WH7933	3/16	3/16
WH7905	3/16	3/16
WH7914	3/16	1/4
WH7901	1/4	1/4
WH7904	1/4	1/4
WH7898	1/4	1/4

Metric Adapter



Item #	Bubble Male Thread	Tube O.D.
WH1442	M10 X 1.0	3/16
WH7935	M11 X 1.5	3/16
WH7936	M12 X 1.0	3/16
WH7937	M13 X 1.5	3/16

Metric Adapter



Item #	Bubble Male Thread	Tube O.D.
WH1443	M10 X 1.0	3/16

Adapter Standard to Metric Bubble



Item #	Female Std. Fl. Seat	Male Metric Bubble Fl. Thread
WH7970	M10 X 1.0	3/16

Adapter Standard to Metric Bubble



Item #	Female Std. Fl. Seat	Male Metric Bubble Fl. Thread
WH7972	3/16	13 X 1.5
WH7974	3/16	12 X 1.0

Brass SAE 45° Flare Fittings

Brass SAE 45° Flare Fittings

Typical Application:

LP and natural gas, flammable liquids (special order), instrumentation, refrigeration, power steering, power steering, hydraulic & pneumatic systems.

Pressure:

Operating pressure up to 2000 psi depending on tube size.

Vibration:

Good resistance – use long nut when greater vibration resistance is required.

Temperature Range:

-65°F to +250°F.

Material:

CA360 Brass.

Used With:

Copper, brass, aluminum & steel hydraulic tubing that can be flared.

Advantages:

Low cost and reusability, Long or short nut. Good resistance to vibration.

Conformance:

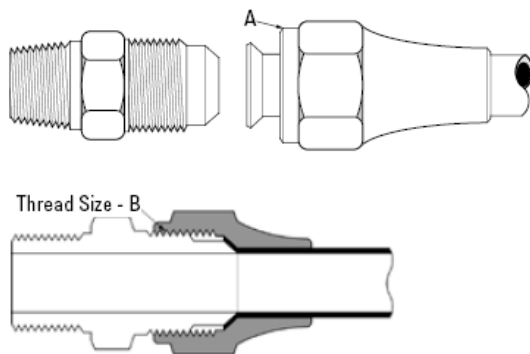
Listed by Underwriters Laboratories for flammable liquids, refrigeration & gas. Meets specifications & standards of ASA, ASME, MS & SAE.

Ordering Information:

Order individually by catalog number.

Assembly Instructions:

Tighten assembly with a wrench until a solid feeling is encountered. From that point, apply 1/6 turn.



Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4
Thread Size - B	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	11/16-18	3/4-16	7/8-18	1-1/16-16

Nut



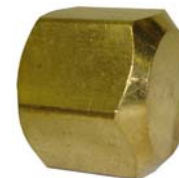
Item #	Tube O.D.
WH1110X4	1/4
WH1110X5	5/16
WH1110X6	3/8
WH1110X8	1/2
WH1110X10	5/8
WH1110X12	3/4

Long Nut



Item #	Tube O.D.
WH41X4	1/4
WH41X5	5/16
WH41X6	3/8
WH41X8	1/2
WH41X10	5/8

Cap



Item #	Tube O.D.
WH37X3	3/16
WH37X4	1/4
WH37X5	5/16
WH37X6	3/8
WH37X8	1/2
WH37X10	5/8
WH37X12	3/4

FITTINGS

Brass SAE 45° Flare Fittings (continued)

Union



Item #	Tube O.D.
WH42X3	3/16
WH42X4	1/4
WH42X5	5/16
WH42X6	3/8
WH42X8	1/2
WH42X10	5/8
WH42X12	3/4

Female Connector



Item #	Tube O.D.	Female Pipe Thread
WH46X4	1/4	1/8
WH46X4X4	1/4	1/4
WH46X5	5/16	1/8
WH46X5X4	5/16	1/4
WH46X6	3/8	1/4
WH46X6X6	3/8	3/8
WH46X6X8	3/8	1/2
WH46X8	1/2	3/8

Male Ball Check Connector



Item #	Tube O.D.	Male Pipe Thread
WH43X4	1/4	1/8
WH43X6	3/8	1/4

45° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH54X4	1/4	1/8
WH54X4X4	1/4	1/4
WH54X5	5/16	1/8
WH54X6	3/8	1/4
WH54X8	1/2	3/8
WH54X8X8	1/2	1/2
WH54X10X6	5/8	3/8
WH54X10	5/8	1/2

Male Connector



Item #	Tube O.D.	Female Pipe Thread
WH48X3	3/16	1/8
WH48X4	1/4	1/8
WH48X4X4	1/4	1/4
WH48X5	5/16	1/8
WH48X5X4	5/16	1/4
WH48X6X2	3/8	1/8
WH48X6	3/8	1/4
WH48X6X6	3/8	3/8
WH48X6X8	3/8	1/2
WH48X8X4	1/2	1/4
WH48X8	1/2	3/8
WH48X8X8	1/2	1/2
WH48X10X6	5/8	3/8
WH48X10	5/8	1/2
WH48X12	3/4	1/2
WH48X12X12	3/4	3/4

Adapter SAE 45°



Item #	SAE Tube	Inverted Male
WH1518	1/4	3/16
WH1522	1/4	1/4
WH1553	3/8	5/16
WH1563	3/8	3/8
WH1554	3/8	7/16

90° Union Elbow



Item #	Tube O.D.
WH55X4	1/4
WH55X5	5/16
WH55X6	3/8
WH55X8	1/2

Brass SAE 45° Flare Fittings (continued)

90° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH49X3	3/16	1/8
WH49X4	1/4	1/8
WH49X4X4	1/4	1/4
WH49X4X6	1/4	3/8
WH49X5	5/16	1/8
WH49X5X4	5/16	1/4
WH49X6X2	3/8	1/8
WH49X6	3/8	1/4
WH49X6X6	3/8	3/8
WH49X6X8	3/8	1/2
WH49X8X4	1/2	1/4
WH49X8	1/2	3/8
WH49X8X8	1/2	1/2
WH49X10X6	5/8	3/8
WH49X10	5/8	1/2
WH49X12	3/4	1/2
WH49X12X12	3/4	3/4

90° Female Elbow



Item #	Tube O.D.	Female Pipe Thread
WH50X4	1/4	1/8
WH50X4X4	1/4	1/4
WH50X5X4	5/16	1/4
WH50X6	3/8	1/4
WH50X6X6	3/8	3/8
WH50X8	1/2	3/8
WH50X8X8	1/2	1/2

Male Run Tee



Item #	Tube O.D.	Male Pipe Thread
WH51X4	1/4	1/8
WH51X6	3/8	1/4
WH51X6X6X6	3/8	3/8
WH51X8	1/2	3/8
WH51X8X8X8	1/2	1/2

Union Tee



Item #	Tube O.D.
WH44X3	3/16
WH44X4	1/4
WH44X6	3/8
WH44X8	1/2

Male Branch Tee



Item #	Tube O.D.	Male Pipe Thread
WH45X4	1/4	1/8
WH45X4X4X4	1/4	1/4
WH45X5	5/16	1/8
WH45X5X5X4	5/16	1/4
WH45X6	3/8	1/4
WH45X6X6X6	3/8	3/8
WH45X8	1/2	3/8

Plug



Item #	Tube O.D.
WH47X3	3/16
WH47X4	1/4
WH47X5	5/16
WH47X6	3/8
WH47X7	7/16
WH47X8	1/2
WH47X10	5/8
WH47X12	3/4

Flare Gasket



Item #	Gasket Size
WH157X4	1/4
WH157X6	3/8
WH157X8	1/2
WH157X10	5/8
WH157X12	3/4

Flare to Flare Adapter



Item #	Male O.D. Tube	Female O.D. Tube
WH52X4X3	1/4	3/16
WH52X4X5	1/4	5/16
WH52X4X6	1/4	3/8
WH52X6X4	3/8	1/4
WH52X6X8	3/8	1/2

FITTINGS

Brass Compression Fittings

Brass Compression Fittings

Typical Application:

Instrumentation, hydraulic and pneumatic systems.

Pressure:

Operating pressure up to 2000 psi with a 4:1 safety factor depending on tube size. When using plastic tubing, use the working pressure for type used.

Vibration:

Fair resistance – use long nut when greater vibration resistance is required.

Temperature Range:

-65°F to +250°F with metal tubing.

Material:

CA360 Brass.

Used With:

Aluminum, copper and plastic tubing.

Advantages:

Low cost. Easy to assemble, no flaring. Available with long or short nut.

Conformance:

Listed by Underwriters Laboratories for flammable liquids. Meets specifications & standards of ASA, ASME & SAE.

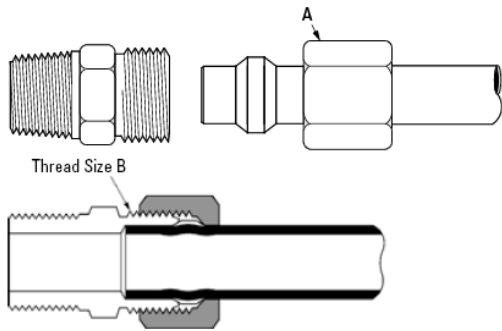
Ordering Information:

Compression connectors are ordered as complete assemblies (body, nut and sleeve).

Assembly Instructions:

Tighten nut hand tight. From the point, tighten with a wrench the number of turns below.

Tube Size	Additional Turns From Hand Tight
1/8" thru 1/4"	1-1/4
5/16"	1-3/4
3/8" thru 1"	2-1/4



Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	1
Thread Size - B	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18	1-1/4-18

Tube Support for Plastic Tubing



Item #	Tube O.D.
WH2030X2	1/8
WH2030X3	3/16
WH2030X4	5/32
WH2030X44	1/4
WH2030X5	5/16
WH2030X6	3/8
WH2030X8	1/2

Compression Sleeve



Item #	Tube O.D.
WH60X2	1/8
WH60X3	3/16
WH60X4	1/4
WH60X5	5/16
WH60X6	3/8
WH60X8	1/2

Male Connector



Item #	Tube O.D.	Male Pipe Thread
WH68X2X1	1/8	1/16
WH68X2	1/8	1/8
WH68X3	3/16	1/8
WH68X4	1/4	1/8
WH68X4X4	1/4	1/4
WH68X5	5/16	1/8
WH68X5X4	5/16	1/4
WH68X6X2	3/8	1/8
WH68X6	3/8	1/4
WH68X6X6	3/8	3/8
WH68X8	1/2	3/8
WH68X8X4	1/2	1/4
WH68X8	1/2	3/8
WH68X8X8	1/2	1/2

Nut



Item #	Tube O.D.
WH61X2	1/8
WH61X3	3/16
WH61X4	1/4
WH61X5	5/16
WH61X6	3/8
WH61X8	1/2

Union



Item #	Tube O.D.
WH62X2	1/8
WH62X3	3/16
WH62X4	1/4
WH62X5	5/16
WH62X6	3/8
WH62X8	1/2

Brass Compression Fittings (continued)

90° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH69X2X1	1/8	1/16
WH69X2	1/8	1/8
WH69X3	3/16	1/8
WH69X4	1/4	1/8
WH69X4X4	1/4	1/4
WH69X5	5/16	1/8
WH69X5X4	5/16	1/4
WH69X6X2	3/8	1/8
WH69X6	3/8	1/4
WH69X6X6	3/8	3/8
WH69X6X8	3/8	1/2
WH69X7	7/16	1/4
WH69X8X4	1/2	1/4
WH69X8	1/2	3/8
WH69X8X8	1/2	1/2

Male Ball Check Connector



Item #	Tube O.D.	Male Pipe Thread
WH63X4	1/4	1/8
WH63X6	3/8	1/4

Union Tee



Item #	Tube O.D.
WH64X3	3/16
WH64X4	1/4
WH64X5	5/16
WH64X6	3/8
WH64X8	1/2

90° Union Elbow



Item #	Tube O.D.
WH65X4	1/4
WH65X5	5/16
WH65X6	3/8
WH65X8	1/2

Male Run Tee



Item #	Tube O.D.	Male Pipe Thread
WH71X3	3/16	1/8
WH71X4	1/4	1/8
WH71X5	3/8	1/4

90° Female Elbow

Image
Not
Available

Item #	Tube O.D.	Female Pipe Thread
WH70X3	3/16	1/8
WH70X4	1/4	1/8
WH70X6	3/8	1/4
WH70X8	1/2	3/8

Male Branch Tee



Item #	Tube O.D.	Male Pipe Thread
WH72X3	3/16	1/8
WH72X4	1/4	1/8
WH72X4X4	1/4	1/4
WH72X5	5/16	1/8
WH72X6	3/8	1/4

Female Connector



Item #	Tube O.D.	Female Pipe Thread
WH66X2	1/8	1/8
WH66X3	3/16	1/8
WH66X4	1/4	1/8
WH66X4X4	1/4	1/4
WH66X5	5/16	1/8
WH66X5X4	5/16	1/4
WH66X6X2	3/8	1/8
WH66X6	3/8	1/4
WH66X8	1/2	3/8

FITTINGS

Brass Air Brake – Nylon Tubing Fittings

Brass Air Brake-Nylon Tubing Fittings

Typical Application:

Air brake systems except where temperatures exceed +200°F or where battery acid can drip on tubing .

Pressure:

Maximum operating pressure of 150psi.

Vibration:

Fair resistance.

Temperature Range:

-40°F to +200°F.

Material:

CA360 Brass.

Used With:

NT100 Nylon Tubing – SAE J844 Type A & B.

Advantages:

Easy to assemble (no tube preparation or flaring required). Built in tube support. May be used with copper tubing by replacing nut, sleeve and insert with long nut and spherical sleeve. Insert should be removed for copper tubing.

Conformance:

Meets specifications & standards of SAE and DOT FMVSS 571.106.

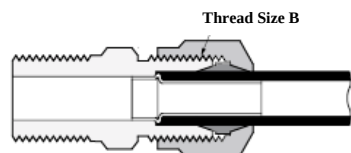
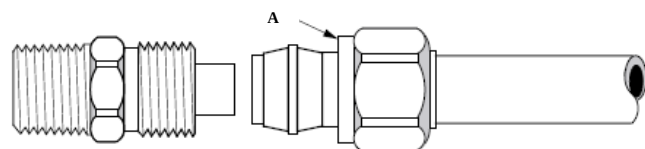
Ordering Information:

Can be ordered as complete assembly or separately.

Assembly Instructions:

1. Cut tubing to desired length.
2. Slide nut and then sleeve on tubing. Threaded end of nut "A" must face toward connector body.
3. Insert tubing into pre – assembled fitting. Be sure tubing is bottomed in connector.
4. Tighten nut to required torque as indicated on chart below.

Tube Size	Torque	A Dimension
1/4	85 to 115 in. lbs.	.085/.105
3/8	12 to 17 ft. lbs.	.125/.145
1/2	25 to 33 ft. lbs.	.100/.120
5/8	26 to 35 ft. lbs.	.115/.135
3/4	38 to 50 ft. lbs.	.180/.200



Tube O.D.	1/4	3/8	1/2	5/8	3/4
Thread Size - B	7/16-24	17/32-24	11/16-20	13/16-18	1-18

Female Connector



Item #	Tube O.D.	Female Pipe Thread
WH1466X2	1/8	1/8
WH1466X3	3/16	1/8
WH1466X4	1/4	1/8
WH1466X4X4	1/4	1/4

Sleeve



Item #	Tube O.D.
WH1460X4	1/4
WH1460X6	3/8
WH1460X8	1/2
WH1460X10	5/8
WH1460X12	3/4

Nut



Item #	Tube O.D.
WH1461X4	1/4
WH1461X6	3/8
WH1461X8	1/2
WH1461X10	5/8
WH1461X12	3/4

Union



Item #	Tube O.D.
WH1462X4	1/4
WH1462X6	3/8
WH1462X8	1/2
WH1462X10	5/8
WH1462X12	3/4

Male Connector



Item #	Tube O.D.	Male Pipe Thread
WH1468X4X1	1/4	1/16
WH1468X4	1/4	1/8
WH1468X4X4	1/4	1/4
WH1468X4X6	1/4	3/8
WH1468X6X2	3/8	1/8
WH1468X6	3/8	1/4
WH1468X6X6	3/8	3/8
WH1468X6X8	3/8	1/2
WH1468X8X4	1/2	1/4
WH1468X8	1/2	3/8
WH1468X8X8	1/2	1/2
WH1468X8X12	1/2	3/4
WH1468X10X6	5/8	3/8
WH1468X10	5/8	1/2
WH1468X10X12	5/8	3/4
WH1468X12	3/4	1/2
WH1468X12X12	3/4	3/4

Brass Air Brake – Nylon Tubing Fittings (continued)

Bulkhead Union



Item #	Tube O.D.
WH1474X4	1/4
WH1474X6	3/8
WH1474X8	1/2

45° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH1480X4	1/4	1/8
WH1480X4X4	1/4	1/4
WH1480X6	3/8	1/4
WH1480X6X6	3/8	3/8
WH1480X8X4	1/2	1/4
WH1480X8	1/2	3/8
WH1480X8X8	1/2	1/2
WH1480X10	5/8	1/2

Union Elbow



Item #	Tube O.D.
WH1465X4	1/4
WH1465X6	3/8
WH1465X8	1/2

90° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH1469X4	1/4	1/8
WH1469X4X4	1/4	1/4
WH1469X4X6	1/4	3/8
WH1469X6X2	3/8	1/8
WH1469X6	3/8	1/4
WH1469X6X6	3/8	3/8
WH1469X6X8	3/8	1/2
WH1469X8X4	1/2	1/4
WH1469X8	1/2	3/8
WH1469X8X8	1/2	1/2
WH1469X10X6	5/8	3/8
WH1469X10	5/8	1/2
WH1469X10X12	5/8	3/4
WH1469X12	3/4	1/2

90° Female Elbow



Item #	Tube O.D.	Female Pipe Thread
WH1470X4	1/4	1/8
WH1470X6	3/8	1/4
WH1470X8	1/2	3/8

Union Tee



Item #	Tube O.D.
WH1464X4	1/4
WH1464X6X6X4	3/8X3/8X1/4
WH1464X6	3/8
WH1464X8X8X6	1/2X1/2X3/8
WH1464X8	1/2

Male Branch Tee



Item #	Tube O.D.	Male Pipe Thread
WH1472X4	1/4	1/8
WH1472X4X4	3/8X1/4	1/4
WH1472X6X6X2	3/8	1/8
WH1472X6	3/8	1/4
WH1472X6X6X6	3/8	3/8
WH1480X8X6X6	1/2X3/8	3/8
WH1480X8X8X4	1/2	1/4

Female Branch Tee



Item #	Tube O.D.	Female Pipe Thread
WH1477X6	3/8	1/4
WH1477X8X8X4	1/2	1/4
WH1477X10X10X4	5/8	1/4

Male Run Tee



Item #	Tube O.D.	Male Pipe Thread
WH1471X4	1/4	1/8
WH1471X6X4X4	3/8X1/4	1/4
WH1471X6	3/8	1/4
WH1471X6X6X6	3/8	3/8
WH1471X8	1/2	3/8

Insert (Brass)



Item #	Tube O.D.
WH1484X4	1/4
WH1484X6	3/8
WH1484X8	1/2
WH1484X10	5/8
WH1484X12	3/4

Brass Quick Connect Air Brake Fittings

Brass Inverted Flare Fittings

Typical Application:

Air brake systems except where temperatures exceed +200°F or where battery acid can drip on tubing. Not for fuel, water or oil.

Pressure:

Vacuum to 150 psi.

Vibration:

Moderate resistance.

Temperature Range:

-40°F to +200°F.

Material:

CA360 Brass
(Body & Collet).

EP (Ethylene Propylene)
- o-ring.

Used With:

NT100 Nylon Tubing – SAE
J844 Type A and Type B.

Advantages:

Easy, fast assembly, one piece fitting, reusable Field Serviceable.

Used With:

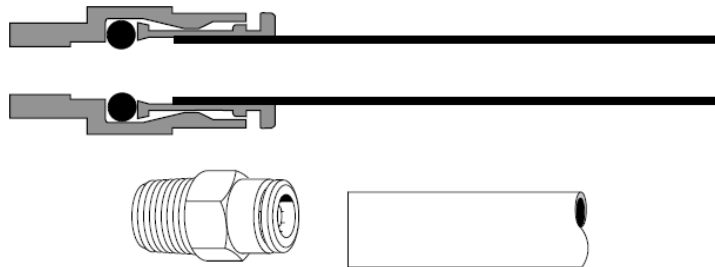
Polyon NT100
AirBrake Tubing

Conformance:

Meets D.O.T. FMVSS 571.106 and SAE J1131 air brake system performance requirements.

Ordering Information:

Order individually by catalog number.



Union



Item #	Tube O.D.
WH1862X2.5	5/32
WH1862X3	3/16
WH1862X4	1/4
WH1862X6	3/8
WH1862X8	1/2
WH1862X10	5/8

Union Tee



Item #	Tube O.D.
WH1864X4	1/4
WH1864X6	3/8
WH1864X8	1/2
WH1864X10	5/8

Male Connector



Item #	Tube O.D.	Male Pipe Thread
WH1868X2.5X1	5/32	1/16
WH1868X2.5	5/32	1/8
WH1868X3	3/16	1/8
WH1868X4	1/4	1/8
WH1868X4X4	1/4	1/4
WH1868X4X6	1/4	3/8
WH1868X6X2	3/8	1/8
WH1868X6	3/8	1/4
WH1868X6X6	3/8	3/8
WH1868X6X8	3/8	1/2
WH1868X8X4	1/2	1/4
WH1868X8	1/2	3/8
WH1868X8X8	1/2	1/2
WH1868X10X6	5/8	3/8
WH1868X10	5/8	1/2
WH1868X12	3/4	1/2

Female Connector



Item #	Tube O.D.	Female Pipe Thread
WH1866X4	1/4	1/8
WH1866X4X4	1/4	1/4
WH1866X6X2	3/8	1/8
WH1866X6	3/8	1/4
WH1866X6X6	3/8	3/8
WH1866X8X4	1/2	1/4
WH1866X8	1/2	3/8
WH1866X8X8	1/2	1/2

Brass Quick Connect Air Brake Fittings (continued)

45° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH1880X4	1/4	1/8
WH1880X4X4	1/4	1/4
WH1880X6X2	3/8	1/8
WH1880X6	3/8	1/4
WH1880X6X6	3/8	3/8
WH1880X6X8	3/8	1/2
WH1880X8X4	1/2	1/4
WH1880X8	1/2	3/8
WH1880X8X8	1/2	1/2
WH1880X10X6	5/8	3/8
WH1880X10	5/8	1/2
WH1880X12	3/4	1/2

45° Elbow – Male Swivel



Item #	Tube O.D.	Male Pipe Thread
WH1880X4S	1/4	1/8
WH1880X4X4S	1/4	1/4
WH1880X6X2S	3/8	1/8
WH1880X6S	3/8	1/4
WH1880X6X6S	3/8	3/8
WH1880X8X4S	1/2	1/4
WH1880X8S	1/2	3/8
WH1880X8X8S	1/2	1/2

90° Female Elbow



Item #	Tube O.D.	Female Pipe Thread
WH1870X4	1/4	1/8
WH1870X4X4	1/4	1/4
WH1870X6X2	3/8	1/8
WH1870X6	3/8	1/4
WH1870X6X6	3/8	3/8
WH1870X8X4	1/2	1/4
WH1870X8	1/2	3/8
WH1870X8X8	1/2	1/2

90° Union Elbow



Item #	Tube O.D.
WH1865X4	1/4
WH1865X6	3/8
WH1865X8	1/2

90° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH1869X2.5X1	5/32	1/16
WH1869X2.5	5/32	1/8
WH1869X3	3/16	1/8
WH1869X4	1/4	1/8
WH1869X4X4	1/4	1/4
WH1869X4X6	1/4	3/8
WH1869X6X2	3/8	1/8
WH1869X6	3/8	1/4
WH1869X6X6	3/8	3/8
WH1869X6X8	3/8	1/2
WH1869X8X4	1/2	1/4
WH1869X8	1/2	3/8
WH1869X8X8	1/2	1/2
WH1869X10X6	5/8	3/8
WH1869X10	5/8	1/2

90° Elbow- Male Swivel



Item #	Tube O.D.	Male Pipe Thread
WH1869X4S	1/4	1/8
WH1869X4X4S	1/4	1/4
WH1869X4X6S	1/4	3/8
WH1869X6X2S	3/8	1/8
WH1869X6S	3/8	1/4
WH1869X6X6S	3/8	3/8
WH1869X6X8S	3/8	1/2
WH1869X8X4S	1/2	1/4
WH1869X8S	1/2	3/8
WH1869X8X8S	1/2	1/2
WH1869X10X6S	5/8	3/8
WH1869X10S	5/8	1/2

FITTINGS

Brass Quick Connect Air Brake Fittings (continued)

Male Run Tee



Item #	Tube O.D.	Male Pipe Thread
WH1871X4	1/4	1/8
WH1871X4X4	1/4	1/4
WH1871X6	3/8	1/4
WH1871X6X6	3/8	3/8
WH1871X6X4X4	3/8X1/4	1/4
WH1871X6X8	3/8	1/2
WH1871X8	1/2	3/8

Swivel Male Branch Tee



Item #	Tube O.D.	Male Pipe Thread
WH1872X4S	1/4	1/8
WH1872X4X4S	1/4	1/4
WH1872X6X2S	3/8	1/8
WH1872X6S	3/8	1/4
WH1872X6X6S	3/8	3/8
WH1872X8X4S	1/2	1/4
WH1872X8S	1/2	3/8
WH1872X8X8S	1/2	1/2

Swivel Male Run Tee



Item #	Tube O.D.	Male Pipe Thread
WH1871X4S	1/4	1/8
WH1871X4X4S	1/4	1/4
WH1871X6S	3/8	1/4
WH1871X6X6S	3/8	3/8
WH1871X8X4S	1/2	1/4
WH1871X8S	1/2	3/8
WH1871X8X8S	1/2	1/2

Plugs, Pressure (Nylon)



Item #	Tube O.D.
WH1829X4	1/4
WH1829X6	3/8
WH1829X8	1/2

Female Branch Tee



Item #	Tube O.D.	Female Pipe Thread
WH1877X6	3/8	1/4

Collet Service Tool



Item #	Description
WH1800T	Tool for Push to Connect DOT Brass Fittings

Male Branch Tee



Item #	Tube O.D.	Male Pipe Thread
WH1872X3	3/16	1/8
WH1872X4	1/4	1/8
WH1872X4X4	1/4	1/4
WH1872X6	3/8	1/4
WH1872X6X6	3/8	3/8
WH1872X8X4	1/2	1/4
WH1872X8	1/2	3/8
WH1872X8X8	1/2	1/2

True Release Kit



Item #	Description
WH1800TRK	Kit for Push to Connect DOT Brass Fittings

Brass Air Brake Copper Tube Fitting

Brass Air Brake Copper Tube Fitting

Typical Application:

Air brake systems.

Pressure:

Maximum operating pressure of 150 psi.

Vibration:

Fair resistance.

Temperature Range:

-65°F to +250°F.

Material:

CA360 Brass

Used With:

Copper tubing in air brake systems.

Advantages:

Easy to assemble (no flaring).
May be used with nylon tubing by replacing long nut & spherical sleeve with insert, rigid sleeve & nut.

Conformance:

Meets specifications and standards of SAE and D.O.T.

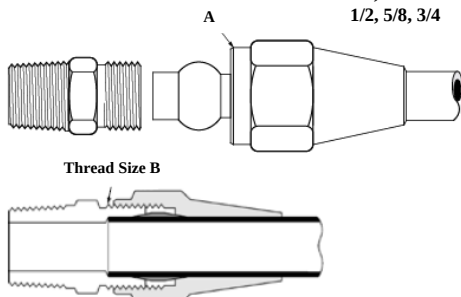
Ordering Information:

Can be ordered as complete assembly or separately.

Assembly Instructions:

1. Cut tubing to desired length.
2. Slide nut and then sleeve on tubing. Threaded end of nut "A" must face toward connector body.
3. Insert tubing into connector. Be sure that tubing is bottomed on fitting shoulder.
4. Thread nut onto connector body until it is hand tight.
5. Tighten with wrench the number of turns indicated in the chart below.

Tube Size	Additional Turns From Hand Tight
1/4, 3/8	1-3/4
1/2, 5/8, 3/4	3-1/4



Tube O.D.	1/4	3/8	1/2	5/8	3/4	1
Thread Size - B	7/16-24	17/32-24	11/16-20	13/16-18	1-18	1-1/4-16

90° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH1369X4	1/4	1/8
WH1369X4X4	1/4	1/4
WH1369X6X2	3/8	1/8
WH1369X6	3/8	1/4
WH1369X6X6	3/8	3/8
WH1369X8	1/2	3/8
WH1369X8X8	1/2	1/2

45° Male Elbow



Item #	Tube O.D.	Male Pipe Thread
WH1380X6	3/8	1/4
WH1380X6X6	3/8	3/8
WH1380X8	1/2	3/8

Sleeve



Item #	Tube O.D.
WH1360X4	1/4
WH1360X6	3/8
WH1360X8	1/2
WH1360X10	5/8
WH1360X12	3/4

Nut



Item #	Tube O.D.
WH1361X4	1/4
WH1361X6	3/8
WH1361X8	1/2
WH1361X10	5/8
WH1361X12	3/4

Union



Item #	Tube O.D.
WH1362X4	1/4
WH1362X6	3/8
WH1362X8	1/2
WH1362X10	5/8
WH1362X12	3/4

Male Connector



Item #	Tube O.D.	Male Pipe Thread
WH1368X4	1/4	1/8
WH1368X4X4	1/4	1/4
WH1368X6X2	3/8	1/8
WH1368X6	3/8	1/4
WH1368X6X6	3/8	3/8
WH1368X6X8	3/8	1/2
WH1368X8X4	1/2	1/4
WH1368X8	1/2	3/8
WH1368X8X8	1/2	1/2
WH1368X10X6	5/8	3/8
WH1368X10	5/8	1/2
WH1368X12	3/4	1/2
WH1368X12X12	3/4	3/4

Union Tee



Item #	Tube O.D.
WH1364X4	3/8
WH1364X6	1/2

Needle Valves

Needle Valves

Typical Application:

Instrumentation, hydraulic and pneumatic systems.

Pressure:

150 psi maximum. (Does not include plastic tubing.)

Temperature Range:

-65°F to +250°F with metal tubing.

Material:

Brass bodies, steel handles except where noted. Polyline valves have brass bodies and brass handles.

Used With:

Copper, aluminum, steel and plastic tubing where applicable.

Advantages:

Metal-to-metal seat, with fine thread screw down, enables valves to seat positively, adjust easily and hold to any amount of flow up to capacity of the valve

Conformance:

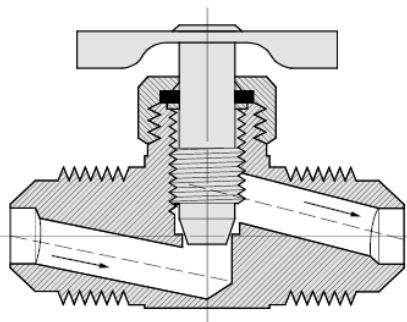
Designed for automotive and industrial use. Not intended for natural gas, LPG, nuclear or aircraft applications.

Ordering Information:

Can be ordered as complete assembly or separately.

Assembly Instructions:

Install with the pressure against the seat. Inspection of a straight valve discloses one opening to be higher than the other. Pressure should always be directed against the seat in angle valves, not the stem threads.



SAE 45° Flare Straightway



Item #	Tube O.D.	Male Pipe Thread
WH530	1/4	1/8
WH6700	1/4	1/4
WH630	5/16	1/8
WH695	5/16	1/4
WH700	3/8	1/4

SAE 45° Flare Angle



Item #	Tube O.D.	Male Pipe Thread
WH325	5/16	1/8
WH6703	5/16	1/4
WH330	3/8	1/4

Male Pipe Double



Item #	Male Pipe Thread
WH6810	1/8
WH6815	1/4

Male to Female Pipe



Item #	Female Pipe Thread	Male Pipe Thread
WH6820	1/8	1/8
WH6825	1/4	1/8

Female Pipe



Item #	Female Pipe Thread
WH6800	1/8
WH6805	1/4

Compression Double



Item #	Tube O.D.
WHA6765	1/4
WHA6770	5/16
WHA6775	3/8

Compression Angle



Item #	Tube O.D.	Male Pipe Thread
WHA555	1/4	1/8
WHA655	5/16	1/8
WHA6855	5/16	1/4
WHA6860	3/8	1/4

Drain Cocks

Drain Cocks

Typical Application:

Brass bodies/steel handles, except where noted.

Pressure:

150 psi maximum. (Does not include hose or plastic tubing.)

Temperature Range:

-65°F to +250°F with metal tubing.

Used With:

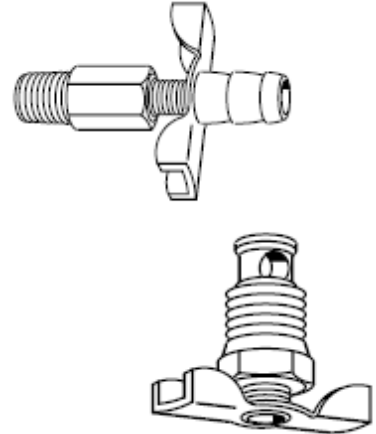
Copper, aluminum, steel, hose and plastic tubing where applicable.

Conformance:

Designed for automotive and industrial use. Not intended for natural gas, LPG, nuclear or aircraft applications.

Ordering Information:

Can be ordered as complete assembly.



Internal Seat Drain Valve



Item #	Male Pipe Thread
WH1424A	1/8
WH1425A	1/4
WH1426A	3/8

External Seat



Item #	Male Pipe Thread
WH135	1/8
WH145	1/4
WH270	3/8
WH108	1/2

Air Vent



Item #	Male Pipe Thread
WH705	1/8

External Seat



Item #	Male Pipe Thread
WH6788	1/4

Angle Bib Drain



Item #	Square c	Male Pipe Thread
WH150	7/16	1/8
WH120	5/8	1/4

Internal Seat



Item #	Male Pipe Thread
WH130	1/8
WH140	1/4
WH190	1/4
WH230	3/8

Angle Bib Drain



Item #	Hose I.D.	Male Pipe Thread
WH6660	3/8	1/4

Internal Seat



Item #	Male Pipe Thread
WH6783	1/8

FITTINGS

Ground Plug & Multiple Shut-Offs

Ground Plug & Multiple Shut-Offs

Pressure:
30 psi working pressure.

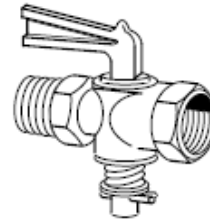
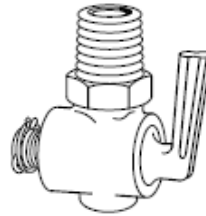
Temperature Range:
-65°F to +250°F with metal tubing.

Material:
Brass bodies and handles.

Used With:
Copper, aluminum, steel and plastic tubing where applicable.

Conformance:
Designed for automotive and industrial use. Not intended for natural gas, LPG, nuclear or aircraft applications.

Ordering Information:
Can be ordered as complete assembly or separately.



Draincock



Item #	Male Pipe Thread
WHW15310	1/4

Marine Shut Off Male to Female Pipe



Item #	Female Pipe Thread	Male Pipe Thread
WH6828	1/4	1/4

Ground Plug Drain



Item #	Male Pipe Thread
WH6891	1/8
WH6892	1/4
WH6893	3/8

Female Pipe Double



Item #	Female Pipe Thread
WH6804	1/8
WH6809	1/4

Male to Female Pipe



Item #	Female Pipe Thread	Male Pipe Thread
WH6824	1/8	1/8
WH6829	1/4	1/4

3 Way Multiple Shut-Off



Item #	Female Pipe Thread
WH6749	1/4

Truck Shut Off Male to Female Pipe



Item #	Female Pipe Thread	Male Pipe Thread
WHW20332	1/4	1/4

4 Way Multiple Shut-Off



Item #	Female Pipe Thread
WH6747	1/4
WH6748	1/4

Truck Valve

Truck Valve

Pressure:
30 psi working pressure.

Temperature Range:
-65°F to +250°F with metal tubing.

Material:
Brass bodies and handles.

Used With:
Copper, aluminum, steel and plastic tubing where applicable.

Conformance:
Designed for automotive and industrial use. Not intended for natural gas, LPG, nuclear or aircraft applications.

Ordering Information:
Can be ordered as complete assembly.

Pipe to Hose Shut-Off Truck Valve



Item #	Hose Size	Male Pipe Thread
WH1422	3/8	3/8
WH1442A	1/2	3/8
WH1423	5/8	3/8
WH1433	3/4	3/8
WH1451	3/4	1/2

Ball Valve

Pressure:
30 psi working pressure.

Temperature Range:
-40°F to +300°F.

Applications:
Vacuum service, industrial service, center off position, water service, & panel mounting.

Conformance:
Designed for water, oils and gases.

Material:
Brass bar stock body, blowout proof stem, nickel plated ball, viton stem seal, double o-ring steam seal (never needs tightening), metal retainer seal, & center off position .

Ordering Information:
Can be ordered as complete assembly.

Flare to Male Pipe Truck Valve



Item #	O.D. Tube	Male Pipe Thread
WH1424D	1/2	3/8
WH1424	1/2	1/2

Male Pipe to Flare Truck Valve



Item #	O.D. Tube	Male Pipe Thread
WH1424B	1/2	3/8
WH1424C	5/8	1/2

Female/Female Ball Valves



Item #	Size
BV-1/8	1/8
BV-1/4	1/4
BV-3/8	3/8
BV-1/2	1/2
BV-3/4	3/4
BV-1	1
BV-1 1/4	1-1/4
BV-1 1/2	1-1/2
BV-2	2
BV-2 1/2	2-1/2
BV-3	3
BV-4	4

Male/Female Ball Valves



Item #	Size
BV-1/8MF	1/8
BV-1/4MF	1/4
BV-3/8MF	3/8
BV-1/2MF	1/2
BV-3/4MF	3/4
BV-1MF	1

Air Tank Drain Truck Valve



Item #	Hose Size	Male Pipe Thread
WH1421-18	18"	1/4
WH1421-24	24"	1/4
WH1421-32	32"	1/4
WH1421-60	60"	1/4

Hose End 057 'B' Series

057 'B' Series

Typical Application:

Low pressure air, fuel and oil applications. Generally used for automotive, light truck and small engine fuel line.

Compatible Hose:

H057, H0105*, H0106*, H115* and H116* hose. (*) – for air applications only.

Pressure:

Determined by maximum working pressure for hose size.

Material:

CA360 brass

Advantages:

Easy to assembly – just push the fitting into the hose clamp.

Ordering Information:

Can be ordered as complete assembly.

Assembly Instructions:

1. Slide clamp over hose.
2. Insert barbed end of fitting into hose.
3. Locate band clamp in the middle of 057 'B' Series inserts and tighten.
4. Position wire clamp behind bump on 057 'B' Series insert with H057 hose only.



Male Pipe Rigid



Item #	Hose I.D.	Pipe Size
WH05703B-102	3/16	1/8
WH05704B-102	1/4	1/8
WH05704B-104	1/4	1/4
WH05705B-102	5/16	1/8
WH05705B-104	5/16	1/4
WH05706B-102	3/8	1/8
WH05706B-104	3/8	1/4
WH05706B-106	3/8	3/8
WH05708B-106	1/2	3/8
WH05710B-106	5/8	3/8
WH05710B-108	5/8	1/2
WH05712B-108	3/4	1/2

SAE 45° Flare Connector



Item #	Hose I.D.	Tube Size
WH05706B-305	5/16	1/4

Male Pipe Rigid 90° Elbow



Item #	Hose I.D.	Pipe Size
WH05704B-C02	1/4	1/8
WH05705B-C02	5/16	1/8
WH05705B-C04	5/16	1/4
WH05706B-C02	3/8	1/8
WH05706B-C04	3/8	1/4
WH05706B-C06	3/8	3/8
WH05710B-C06	5/8	3/8
WH05712B-C08	3/4	1/2

Inverted Male Connector



Item #	Hose I.D.	Tube Size
WH05705B-1598	5/16	1/4
WH05705B-1560	5/16	5/16
WH05705B-1561	5/16	3/8
WH05706B-1568	3/8	5/16
WH05706B-1570	3/8	3/8

Hose End 105 'B' Series

105 'B' Series

Typical Application:

Low pressure shop or service air line.

Compatible Hose:

H0105, H0106, H115, H116

Pressure:

Determined by maximum working pressure for hose size.

Material:

CA360 brass

Advantages:

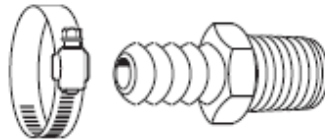
Easy to assembly – just push the fitting into the hose and clamp.

Ordering Information:

Can be ordered as complete assembly.

Assembly Instructions:

1. Slide clamp over hose.
2. Insert barbed end of fitting into hose.
3. Locate clamp in middle of insert and tighten. Use 6203/6204seriesclamponly.



Male Pipe (PTF Short)



Item #	Hose I.D.	Pipe Size
WH10502B-102	1/8	1/8
WH10503B-102	3/16	1/8
WH10503B-104	3/16	1/4
WH10504B-102	1/4	1/8
WH10504B-104	1/4	1/4
WH10504B-106	1/4	3/8
WH10505B-102	5/16	1/8
WH10505B-104	5/16	1/4
WH10506B-102	3/8	1/8
WH10506B-104	3/8	1/4
WH10506B-106	3/8	3/8
WH10506B-108	3/8	1/2
WH10508B-104	1/2	1/4
WH10508B-106	1/2	3/8
WH10508B-108	1/2	1/2
WH10508B-112	1/2	3/4
WH10510B-106	5/8	3/8
WH10510B-108	5/8	1/2
WH10510B-112	5/8	3/4
WH10512B-108	3/4	1/2

Barb Tee



Item #	Hose I.D.
WH10504B-T04	1/4
WH10505B-T05	5/16
WH10506B-T06	3/8
WH10508B-T08	1/2

Barb 90° Elbow



Item #	Hose I.D.	Male Pipe
WH10503B-C02	3/16	1/8
WH10504B-C02	1/4	1/8
WH10504B-C04	1/4	1/4
WH10505B-C02	5/16	1/8
WH10505B-C04	5/16	1/4
WH10506B-C04	3/8	1/4
WH10506B-C06	3/8	3/8

Barb 45° Elbow



Item #	Hose I.D.	Male Pipe
WH10504B-H02	1/4	1/8
WH10505B-H02	5/16	1/8
WH10505B-H04	5/16	1/4
WH10506B-H02	3/8	1/8
WH10506B-H04	3/8	1/4

Female Pipe (NPTF)



Item #	Hose I.D.	Pipe Size
WH10503B-202	3/16	1/8
WH10504B-202	1/4	1/8
WH10504B-204	1/4	1/4
WH10505B-202	5/16	1/8
WH10505B-204	5/16	1/4
WH10506B-202	3/8	1/8
WH10506B-204	3/8	1/4
WH10506B-206	3/8	3/8
WH10508B-204	1/2	1/4
WH10508B-206	1/2	3/8

Barb Splicer



Item #	Hose I.D.
WH10503B-Y03	3/16
WH10504B-Y04	1/4
WH10505B-Y05	5/16
WH10506B-Y06	3/8
WH10508B-Y08	1/2
WH10510B-Y10	5/8
WH10512B-Y12	3/4

Hose End 100 'B' Series Barb-Tite™

100 'B' Series Barb-Tite™

Typical Application:

Low pressure shop or service air lines. Often used for low pressure lube and oil lines.

Compatible Hose:

H100, H101, H201, H332

Pressure:

Determined by maximum working pressure for hose size.

Material:

CA360 brass

Advantages:

Easy to assembly – just push the fitting into the hose. No clamps needed!

Ordering Information:

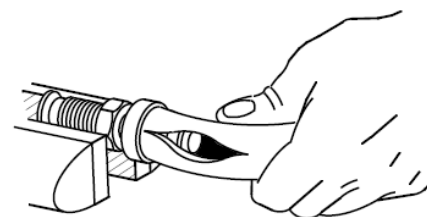
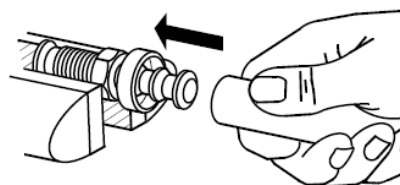
Can be ordered as complete assembly.

Assembly Instructions:

1. Lubricate insert.
2. Hold hose at angle as shown and push on and up over first barb.
3. Continue to push straight on until hose is seated under protective plastic cap. (Keep hand back from hose end area so that hose can expand)

Disassembly Instructions:

1. Split hose as shown – do not cut completely through hose. Sealing edge of barb could be damaged.
2. Bend hose and remove with quick pull.



Inverted Male Swivel



Item #	Hose I.D.	Tube Size
WH10004B-B03	1/4	3/16
WH10004B-B04	1/4	1/4
WH10004B-B05	1/4	5/16
WH10005B-B04	5/16	1/4
WH10005B-B05	5/16	5/16
WH10005B-B06	5/16	3/8
WH10006B-B05	3/8	5/16
WH10006B-B06	3/8	3/8
WH10008B-B08	1/2	1/2

Male Pip Rigid



Item #	Hose I.D.	Pipe Size
WH10004B-102	1/4	1/8
WH10004B-104	1/4	1/4
WH10004B-106	1/4	3/8
WH10005B-102	5/16	1/8
WH10005B-104	5/16	1/4
WH10006B-102	3/8	1/8
WH10006B-104	3/8	1/4
WH10006B-106	3/8	3/8
WH10008B-106	1/2	3/8
WH10008B-108	1/2	1/2
WH10010B-108	5/8	1/2
WH10012B-108	3/4	1/2
WH10012B-112	3/4	3/4
WH10016B-116	1	1

Inverted Female Swivel



Item #	Hose I.D.	Tube Size
WH10004B-A03	1/4	3/16
WH10004B-A04	1/4	1/4
WH10004B-A05	1/4	5/16
WH10005B-A05	5/16	5/16
WH10006B-A05	3/8	5/16
WH10006B-A06	3/8	3/8

Hose End 100 'B' Series Barb-Tite™ (continued)

SAE 45° Flare Male Rigid



Item #	Hose I.D.	Tube Size
WH10004B-304	1/4	1/8
WH10004B-305	1/4	5/16
WH10005B-305	5/16	5/16
WH10006B-306	3/8	3/8

SAE 45° Flare Female Rigid



Item #	Hose I.D.	Tube Size
WH10004B-404	1/4	1/4
WH10004B-405	1/4	5/16
WH10004B-406	1/4	3/8
WH10005B-405	5/16	5/16
WH10006B-406	3/8	3/8
WH10008B-406	1/2	3/8
WH10010B-410	5/8	5/8
WH10012B-412	3/4	3/4

Female Pipe Swivel



Item #	Hose I.D.	Pipe Size
WH10004B-254	1/4	1/4
WH10004B-256	3/8	3/8
WH10004B-258	1/2	1/2

Barb Splicer



Item #	Hose I.D.
WH10004B-Y04	1/4
WH10005B-Y05	5/16
WH10006B-Y06	3/8
WH10008B-Y08	1/2
WH10010B-Y10	5/8
WH10012B-Y12	3/4

JIC 37° Female Swivel



Item #	Hose I.D.	Tube Size
WH10004B-604	1/4	1/4
WH10004B-605	1/4	5/16
WH10005B-605	5/16	5/16
WH10006B-605	3/8	5/16
WH10006B-606	3/8	3/8
WH10008B-608	1/2	1/2
WH10010B-610	5/8	5/8
WH10012B-610	3/4	5/8
WH10012B-612	3/4	3/4
WH10016B-612	1	1

Male Pipe Rigid 90° Elbow



Item #	Hose I.D.	Pipe Size
WH10005B-C02	5/16	1/8
WH10005B-C04	5/16	1/4
WH10006B-C02	3/8	1/8
WH10006B-C04	3/8	1/4

FITTINGS

Hose End 338 'B' Series

338 'B' Series

Typical Application:

Air brake hose lines.

Compatible Hose:

H338

Pressure:

Determined by maximum working pressure for hose size.

Material:

CA360 brass

Advantages:

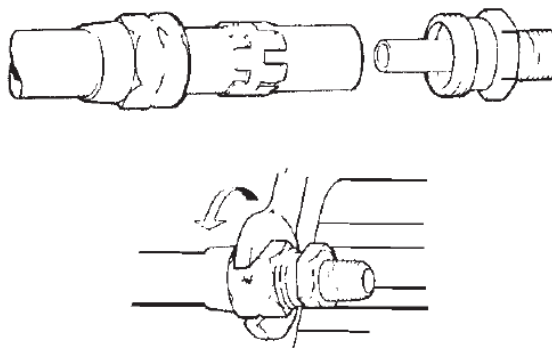
Can be used on nearly any air brake line. Easy to assemble with a good selection of hose end configurations. Brass material offers excellent resistance against corrosion.

Ordering Information:

Can be ordered as complete assembly.

Assembly Instructions:

1. Slide nut & sleeve onto hose. Make sure bevel edge of sleeve faces out toward fitting
2. Push hose into fitting until it bottoms.
3. Screw nut until contact is made with body hex.



Male Connector



Item #	Hose I.D.	Pipe Size
WH33806B-Y24	3/8	1/4
WH33806B-Y26	3/8	3/8
WH33806B-Y28	3/8	1/2
WH33808B-Y26	1/2	3/8
WH33808B-Y28	1/2	1/2

Female Connector



Item #	Hose I.D.	Thread Size
WH33806B-Y76	3/8	3/4-20
WH33808B-Y78	1/2	7/8-20

Male Connector w/ Spring Guard



Item #	Hose I.D.	Pipe Size
WH33806B-Y34	3/8	1/4
WH33806B-Y36	3/8	3/8
WH33806B-Y38	3/8	1/2
WH33808B-Y36	1/2	3/8
WH33808B-Y38	1/2	1/2

Female Connector with Adapter



Item #	Hose I.D.	Pipe Size
WH33806B-Y84	3/8	1/4
WH33806B-Y86	3/8	3/8
WH33808B-Y86	1/2	3/8

Hose End 338 'B' Series

Hose Mender



Item #	Hose I.D.
WH33806B-Y06	3/8
WH33808B-Y08	1/2

Insert (Body Only)



Item #	Thread I.D.	Pipe Size
WH1391X6	3/8	1/4
WH1391X6X6	3/8	3/8
WH1391X6X8	3/8	1/2
WH1391X8	1/2	3/8
WH1391X8X8	1/2	1/2

Hose Mender - Body Only



Item #	Hose I.D.
WH38806-E	3/8

Sleeve



Item #	Hose I.D.
WH33806-A	3/8
WH33808-A	1/2

Adapter



Item #	Thread I.D.	Pipe Size
WH1390X6	3/8	1/4
WH1390X6X6	3/8	3/8
WH1390X6X8	3/8	1/2
WH1390X8	1/2	3/8
WH1390X8X8	1/2	1/2

Nut



Item #	Hose I.D.
WH33806-B	3/8
WH33808-B	1/2

Spring Guard



Item #	Hose I.D.
WH33806-C	3/8
WH33808-C	1/2

Nut for Spring Guard



Item #	Hose I.D.
WH33806-D	3/8
WH33808-D	1/2

FITTINGS

Transmission Brass Fittings

Transmission Brass Fittings

Typical Application:

Instrumentation, hydraulic and pneumatic systems.

Pressure:

Operating pressure up to 2000 psi with a 4:1 safety factor depending on tube size. When using plastic tubing, use the working pressure for type used.

Vibration:

Fair resistance – use long nut when greater vibration resistance is required.

Temperature Range:

-65°F to +250°F with metal tubing.

Material:

CA360 Brass.

Advantages:

Low cost. Easy to assemble, no flaring. Available with long or short nut.

Conformance:

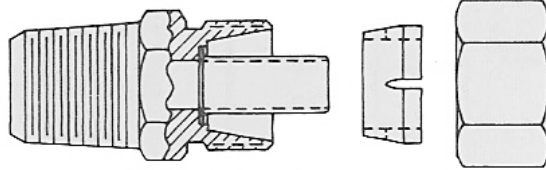
Listed by Underwriters Laboratories for flammable liquids. Meets specifications & standards of ASA, ASME & SAE.

Ordering Information:

Can be ordered as complete assembly or separately.

Assembly Instructions:

Tighten nut hand tight. From the point, tighten with a wrench the number of turns below.



Tube Size	1/8	5/32
Thread Size	5/16	5/16
Threads per Inch	24	24

Sleeve



Item #	Tube O.D.
WH660X2	1/8
WH660X532	5/32

Male Connector



Item #	Tube O.D.	Pipe Size
WH668X2	1/8	1/8
WH668X2X1	1/8	1/16
WH668X532	5/32	1/8
WH668X532X1	5/32	1/16

Union



Item #	Tube O.D.
WH662X2	1/8
WH662X532	5/32

Male Elbow



Item #	Tube O.D.	Male Pipe
WH669X2	1/8	1/8
WH669X2X1	1/8	1/16
WH669X532X1	5/32	1/8

Nut

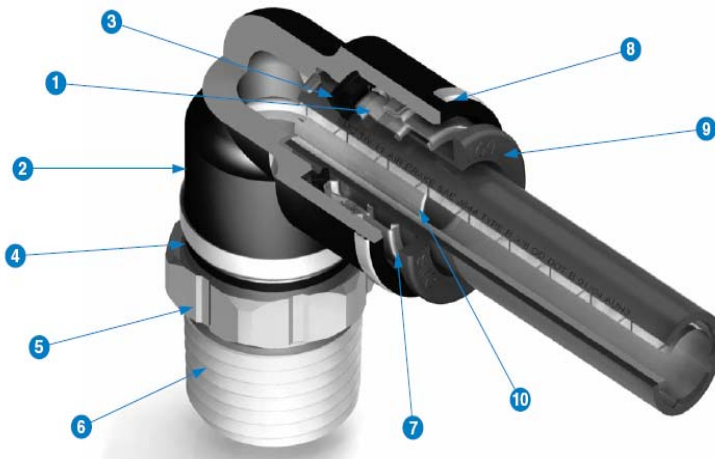


Item #	Tube O.D.
WH660X2	3/8
WH660X532	1/2

Composite Body Push to Connect Fittings

Composite Body Push to Connect Fittings

- 1. Chuck**
Stainless steel or brass chuck design permits smooth tube entry and high gripping force.
- 2. Body**
SMC's composite body offers:
 - Weight savings
 - Compact dimensions
 - High performance
 - Superior chemical resistance
- 3. Tube Seal**
SMC's engineered low temperature seal goes beyond the standard O-ring seal.
- 4. Stud End O-Ring**
O-ring seal permits the fitting to be positioned into place after installation. (not shown)
- 5. Stud**
Brass (thread portion) stud end, NPT (male); NPT (female).
- 6. Sealant**
Standard, pre-applied thread sealant facilitates installation.
- 7. Guide**
Holds internal components together and also guides release button
- 8. Stabilization Ring**
SMC's patented stabilization ring ensures high temperature stability and maximum performance with a smaller overall package.
- 9. Release Button**
SMC's large release button contacts the gripping ring when pushed in. This design has benefits:
 1. Gripping fingers don't scrape the tube during insertion or removal
 2. Lower insertion and release forces.
- 5. Tube Support**
A fixed tube support promotes easier tube insertion, superior side load performance and increased tube retention.



Straight Union



Item #	Tube O.D.
KV2H03-00	5/32
KV2H07-00	1/4
KV2H11-00	3/8
KV2H13-00	1/2
KV2H15-00	5/8

Straight Male Connector



Item #	Tube O.D.	Thread NPT
KV2H03-33S	5/32	1/16-27
KV2H03-34S	5/32	1/8-27
KV2H03-35S	5/32	1/4-18
KV2H07-34S	1/4	1/8-27
KV2H07-35S	1/4	1/4-18
KV2H07-36S	1/4	3/8-18
KV2H11-34S	3/8	1/8-27
KV2H11-35S	3/8	1/4-18
KV2H11-36S	3/8	3/8-18
KV2H11-37S	3/8	1/2-14
KV2H13-35S	1/2	1/4-18
KV2H13-36S	1/2	3/8-18
KV2H13-37S	1/2	1/2-14
KV2H15-36S	5/8	3/8-18
KV2H15-37S	5/8	1/2-14
KV2H19-36S	3/4	3/8-18
KV2H19-37S	3/4	1/2-14

Female Connector



Item #	Tube O.D.	Thread NPT
KV2F03-34	5/32	1/8-27
KV2F03-35	5/32	1/4-18
KV2F07-34	1/4	1/8-27
KV2F07-35	1/4	1/4-18
KV2F07-36	1/4	3/8-18
KV2F11-34	3/8	1/8-27
KV2F11-35	3/8	1/4-18
KV2F11-36	3/8	3/8-18
KV2F11-37	3/8	1/2-14
KV2F11-34	1/2	1/8-27
KV2F13-35	1/2	1/4-18
KV2F13-36	1/2	3/8-18
KV2F13-37	1/2	1/2-14

FITTINGS

Composite Body Push to Connect Fittings (continued)

90° Male Elbow



Item #	Tube O.D.	Thread NPT
KV2L03-34S	5/32	1/8-27
KV2L07-34S	1/4	1/8-27
KV2L07-35S	1/4	1/4-18
KV2L07-36S	1/4	3/8-18
KV2L11-34S	3/8	1/8-27
KV2L11-35S	3/8	1/4-18
KV2L11-36S	3/8	3/8-18
KV2L11-37S	3/8	1/2-14
KV2L13-35S	1/2	1/4-18
KV2L13-36S	1/2	3/8-18
KV2L13-37S	1/2	1/2-14
KV2L15-36S	5/8	3/8-18
KV2L15-37S	5/8	1/2-14
KV2L19-37S	3/4	1/2-14

90° Union Elbow



Item #	Tube O.D.
KV2L03-00	5/32
KV2L07-00	1/4
KV2L11-00	3/8

45° Male Elbow



Item #	Tube O.D.	Thread NPT
KV2K03-34S	5/32	1/8-27
KV2K07-34S	1/4	1/8-27
KV2K07-35S	1/4	1/4-18
KV2K07-36S	1/4	3/8-18
KV2K11-34S	3/8	1/8-27
KV2K11-35S	3/8	1/4-18
KV2K11-36S	3/8	3/8-18
KV2K13-34S	1/2	1/8-27
KV2K13-35S	1/2	1/4-18
KV2K13-36S	1/2	3/8-18
KV2K13-37S	1/2	1/2-14
KV2K15-36S	5/8	3/8-18
KV2K15-37S	5/8	1/2-14
KV2K19-37S	3/4	1/2-14

Male Run Tee



Item #	Tube O.D.	Thread NPT
KV2Y03-33S	5/32	1/16-18
KV2Y03-34S	5/32	1/8-27
KV2Y07-34S	1/4	1/8-27
KV2Y07-35S	1/4	1/4-18
KV2Y11-35S	3/8	1/4-18
KV2Y13-35S	1/2	1/4-18

Male Branch Tee



Item #	Tube O.D.	Thread NPT
KV2T03-33S	5/32	1/16-18
KV2T03-34S	5/32	1/8-27
KV2T07-34S	1/4	1/8-27
KV2T11-35S	3/8	1/4-18
KV2T13-36S	1/2	3/8-18

Union Tee



Item #	Tube O.D.	Thread NPT
KV2T03-00	5/32	5/32
KV2T07-00	1/4	1/4
KV2T11-00	3/8	3/8
KV2T13-00	1/2	1/2
KV2T15-00	5/8	5/8

Male Branch "Y"



Item #	Tube O.D.	Thread NPT
KV2U07-34S	1/4	1/8-27
KV2U11-35S	3/8	1/4-18
KV2U13-36S	1/2	3/8-18

NT100 "Nylon 11"**Typical Application:**

Air brake systems except where temperatures exceed +200°F or where battery acid can drip on tubing.

Construction:

Core, Nylon; Braid, Polyamide fiber, (3/8" and larger sizes only); Jacket, Nylon.

Temperature Range:

-40°F to +200°F.

Contains:

Ultra-Violet Stabilizer in all colors

Available Colors:

Black (BK), Red (RD), Blue (BU), Brown (BR), Silver (SL), Green (GN), Yellow (YW), Orange (OR) and White (WH). (Not all colors available in all colors).

Note:

1/8", 5/32", 3/16", 1/4" and 5/16", are SAE J844 Type A (not reinforced).
3/8", 1/2", 5/8" and 3/4" are SAE J844 Type B (reinforced).

A DOT 10/09 6792021 EXTRUDED IN THE U.S.A.

Item #	Tube O.D	Tube Wall	Max. Work. Pres. PSI 75°	Max. Burst Pres. PSI 75°	Min. Bend Radius 70°F	Lbs. Per 100 ft.	Coil Length(s)
WHNT10002	1/8	.023	150	1,000	.33"	.4	100
WHNT10025	5/32	.032	150	1,000	.41"	.4	100
WHNT10003	3/16	.035	150	1,000	.71"	.6	100/1000
WHNT10004	1/4	.040	150	1,200	1.19"	1.2	100/1000
WHNT10005	5/16	.040	150	1,000	1.25"	1.8	100/1000
WHNT10006	3/8	.050	150	1,000	1.5"	2.9	50/500
WHNT10008	1/2	.040	150	1,000	2.0"	3.8	25/500
WHNT10010	5/8	.092	150	900	2.5"	6.8	25/250
WHNT10012	3/4	.092	150	800	3.0"	8.4	25/250

PT200 Polyvinyl Chloride**Typical Application:**

Soft, pliable, plasticized PVC Resin Tubing, for practically any low pressure laboratory, industrial, agricultural or domestic application.

Temperature Range:

-5°F to +105°F.

Available Colors:

Clear



Item #	Tube O.D	Tube Wall	Max. Work. Pres. PSI 75°	Max. Burst Pres. PSI 75°	Min. Bend Radius 70°F	Lbs. Per 100 ft.	Coil Length(s)
WHPT20004	1/4	.062	65	195	1.0"	2.0	50
WHPT20044	1/4	.040	55	165	1.0"	2.0	50
WHPT20005	5/16	.062	55	165	1.25"	2.6	50
WHPT20006	3/8	.062	55	165	1.5"	3.3	50
WHPT20008	1/2	.062	45	135	2.0"	4.6	50
WHPT20010	5/8	.062	30	90	2.5"	5.9	50
WHPT20012	3/4	.094	40	120	3.0"	10.3	50
WHPT20016	1	.125	35	105	4.0"	18.5	50

HOSE & TUBING

Automotive – General Use

Typical Application:

Copper tube is soft, seamless and annealed for flexibility.

Working Pressure:

+100°F, (+38°C).



Item #	Tube O.D	Wall Thickness	Maximum Pressure	Coil Length
CT3/16X.030X25	3/16	.030	1645	25
CT1/4X.30X25	1/4	.030	1406	25
CT5/16X0.32X25	5/16	.032	1197	25
CT3/8X0.32X25	3/8	.032	984	25

Air Conditioning & Refrigeration

Typical Application:

Copper refrigeration tubing easily connects air conditioning and refrigeration equipment, using sweating or flare fittings.

Working Pressure:

+100°F, (+38°C).



Item #	Tube O.D	Wall Thickness	Maximum Pressure	Coil Length
CT3/16X.030X50	3/16	.030	1645	50
CT1/4X.030X50	1/4	.030	1406	50
CT5/16X.032X50	5/16	.032	1197	50
CT3/8X.032X50	3/8	.032	984	50

Air Brake

Typical Application:

Meets ASTM B88 standards. Use with approved DOT brass fitting for copper tube.

Working Pressure:

+100°F, (+38°C).



Item #	Tube O.D	Wall Thickness	Maximum Pressure	Coil Length
CT1/4X.035X50	1/4	.035	913	50
CT5/16X.042X50	5/16	.042	940	50
CT3/8X.049X50	3/8	.049	960	50
CT1/2X.049X50	1/2	.049	626	50
CT5/8X.049X50	5/8	.049	640	50

Steel Brake Tube

Typical Application:
Brake lines

Working Pressure:
+70°F, (+21°C).



Item #	Tube O.D.	Wall Thickness	Working Pressure	Coil Length
COR320-3	3/16	.028	5000	25
COR320-4	1/4	.028	5000	25
COR320-5	5/16	.028	5000	25
COR320-6	3/8	.028	5000	25

Steel Brake Lines for Domestic Vehicles

Standard Flare - "S" Series

Note:
3/16" & 1/4" tube assemblies have one long (7896X) and one short (105X) inverted nut.



3/16" O.D. Item #	1/4" O.D. Item #	5/16" O.D. Item #	3/8" O.D. Item #	Length
WHS306	-	-	-	6"
WHS308	WHS408	-	-	8"
WHS310	-	-	-	10"
WHS312	WHS412	WHS512	WHS612	12"
WHS320	WHS420	WHS520	WHS620	20"
WHS330	WHS430	WHS530	WHS630	30"
WHS340	WHS440	WHS540	WHS640	40"
WHS351	WHS451	WHS551	WHS651	51"
WHS360	WHS460	WHS560	WHS660	60"
WHS372	-	-	-	72"

Steel Brake Lines for Imported Vehicles

Standard Flare - "SJ" Series



Bubble Flare - "SB" and "SC" Series

* Uses bubble flare, **Single notch on hex



Union



Length	British Vehicles* 3/8-24 Thread 3/16" O.D. Item #	Japanese Vehicles 10-1.0mm** Thread 3/16" O.D. Item #	European Vehicles* 10-1.0mm Thread 3/16" O.D. Item #
8"	WHSB308	WHSJ308	WHSC308
12"	WHSB312	WHSJ312	WHSC312
20"	WHSB320	WHSJ320	WHSC320
30"	WHSB330	WHSJ330	WHSC330
40"	WHSB340	WHSJ340	WHSC340
51"	WHSB351	WHSJ351	WHSC351
60"	WHSB360	WHSJ360	WHSC360
Union #	7940	7934A	1595A

HOSE & TUBING

H101 General Purpose Hose

Typical Application:

General Purpose air, oil, water and diesel lines.

Push Lock Hose



Inner Tube:

Nitrile w/ Rubber Cover

Reinforcement:

1 Fiber Braid

Cover:

Fiber Braid

Temp. Range:

-40°F to +212°F

Item #	Hose I.D.	Hose O.D.	Working Pressure	Min. Burst Pressure	Min. Bend Pressure	Length
WHH10104	1/4	1/2	350	1,400	3"	50'/500'
WHH10105	5/16	9/16	350	1,400	3"	50'/500'
WHH10106	3/8	5/8	350	1,400	3"	50'/500'
WHH10108	1/2	3/4	350	1,400	5"	25'/500'
WHH10110	5/8	29/32	350	1,400	6"	25'/500'
WHH10112	3/4	1-1/32	350	1,400	7"	25'/500'

H100 General Purpose Hose

Typical Application:

General Purpose low pressure air, oil, water and diesel fuel lines.

Inner Tube:

Nitrile w/ Fabric Cover

Reinforcement:

1 Fiber Braid

Cover:

Neoprene

Temp. Range:

-40°F to +212°F

MSHA Accepted



Item #	Hose I.D.	Hose O.D.	Working Pressure	Min. Burst Pressure	Min. Bend Pressure	Length
WHH10004	1/4	1/2	350	1,400	3"	50'
WHH10005	5/16	9/16	350	1,400	3"	50'
WHH10006	3/8	5/8	350	1,400	3"	50'
WHH10008	1/2	3/4	350	1,400	5"	25'
WHH10010	5/8	29/32	350	1,400	6"	25'
WHH10012	3/4	1-1/32	350	1,400	7"	25'

H115 Red Oil Resistant General Purpose Hose

Typical Application:

Medium oil resistant and water.
Ideal for pneumatic tool operation.

Inner Tube:

Nitrile

Reinforcement:

Multi-Fiber Braid

Cover:

Vinyl Nitrile

Temp. Range:

-40°F to +180°F



Item #	Hose I.D.	Hose O.D.	Working Pressure	Min. Burst Pressure	Min. Bend Pressure	Length
WHH11504	1/4	19/32	300	1,200	3"	50'/700'
WHH11506	3/8	23/32	300	1,200	3.50"	50'/700'
WHH11508	1/2	7/8	300	1,200	4.50"	25'/500'
WHH11512	3/4	1-5/32	300	1,200	5.75"	25'/500'
WHH11516	1	1-7/16	225	900	7.25"	25'/300'
WHH11520	1-1/4	1-3/4	225	900	8.75"	25'/200'
WHH11524	1-1/2	2	225	900	10"	25'/200'

Push On Hose

Typical Application:

Low pressure transmissions of oil, gas air, water, coolants, etc. Should not be used on impulse applications.



Inner Tube:

Nitrile

Reinforcement:

1 Textile Braid

Cover:

Black oil & weather resistant synthetic rubber.

Temp. Range:

-40°F to +212°F

MSHA Approved

Item #	Hose I.D.	Hose O.D.	Working Pressure	Min. Burst Pressure	Min. Bend Pressure	Length
DAYHB704	1/4	1/2	375	1,500	3"	50'/650'
DAYHB705	5/16	9/16	300	1,200	3"	50'/650'
DAYHB706	3/8	5/8	300	1,200	3"	50'/650'
DAYHB708	1/2	3/4	300	1,200	5"	50'/650'
DAYHB710	5/8	29/32	300	1,200	6"	50'/650'
DAYHB712	3/4	1-1/32	300	1,200	7"	50'/650'

Air Brake Hose

Typical Application:

Air brake hose line.

Inner Tube:

Synthetic EPDM

Reinforcement:

Multi-Fiber Braids

Cover:

Neoprene

Temp. Range:

-40°F to +200°F

SAE J1402 A DOT All



Item #	Hose I.D.	Hose O.D.	Working Pressure	Min. Burst Pressure	Min. Bend Pressure	Length
WHH33806	3/8	3/4	225	900	3 1/2"	50'/250'
WHH33808	1/2	7/8	225	900	4"	50'/250'

A6 – SAE 100R6 SAE/USCG Marine Hose

Typical Application:

Low pressure hydraulic lines, flexible fuel lines, power steering return lines and lubrication lines.



Inner Tube:

Nitrile

Reinforcement:

1 Textile Braid

Cover:

Neoprene

Temp. Range:

-40°F to +250°F

MSHA Approved

Item #	Hose I.D.	Hose O.D.	Working Pressure	Min. Burst Pressure	Min. Bend Pressure	Length
DAYHA604	1/4	1/2	400	1,600	2 1/2"	50'
DAYHA605	5/16	9/16	400	1,600	3"	50'
DAYHA606	3/8	5/8	400	1,600	3"	50'
DAYHA608	1/2	3/4	400	1,600	4"	50'
DAYHA610	5/8	25/32	350	1,400	5"	50'
DAYHA612	3/4	1-1/16	300	1,200	6"	50'

HOSE & TUBING

Windshield Wiper/Vacuum Tubing

Low pressure EPDM tubing for windshield washers, vacuum and emissions systems for power accessories. Similar to SAE J1037 specification. Will not deteriorate from heat, weathering, or ozone. Maintains its flexibility even at low temperatures

Application: Windshield Wiper/Vacuum

Specification: Similar to SAE J1037

Branding: None

Cover Color: Black

Tube: EPDM

Reinforcement: None

Temperature Resistance: -40°F to +250°F



Item #	Inside Diameter	Length
HBD5300-01001	3/32	50'
HBD5300-02001	7/64	50'
HBD5300-03001	5/32	50'
HBD5300-04001	7/32	50'
HBD5300-05001	9/32	50'

Fuel Line & PCV Hose

Designed for conveying gasoline, E-85, diesel, and bio-diesel fuels in cars, trucks, buses, etc. Handles temperature ranges of -40°F to +212°F. Withstands oil, grease, abrasion, and ozone. Exceeds the burst requirements of the SAE30R6 specifications.

Application: Fuel Line

Specification: SAE 30R6

Branding: Size SAE30R6 KX Date Made in USA

Cover Color: Black

Tube: NBR

Reinforcement: Two Spiral Polyester

Cover: NBR/PVC

Temperature Resistance: -40°F to +212°F



Item #	Inside Diameter	Length
HBD6675-03226	3/16	25'
HBD6675-04226	1/4	25'
HBD6675-04298	1/4	250'
HDB6675-05226	5/16	25'
HBD6675-05298	5/16	250'
HBD6675-06226	3/8	25'
HBD6675-06298	3/8	250'
HBD6675-07226	7/16	25'
Below: FI-Plus Fuel Injection Hose		
HBD6679-04210	1/4	10'
HBD6679-05210	5/16	10'
HBD6679-06210	3/8	10'



FI-Plus Fuel Injection Hose

Heater & Coolant Hose

Replacement hose for most cars and light trucks:
Premium (similar to SAE20R3 Class D2, SAE J2387);
Standard (similar to SAE20R3). Withstands the abuse of
 corrosive solutions and additives. Resists weathering to
 provide long, trouble-free service life.

Application: Heater & Coolant Hose

Cover Color: Black

Tube: EPDM

OEM Temperature: -40°F to +257°F

Standard Temperature: -40°F to +212°F



Item #	Inside Diameter	Length
HBD4703-08151	1/2	50'
HBD4703-10151	5/8	50'
HBD4703-12151	3/4	50'
HBD4703-16151	1	50'

Heavy Duty Heater Hose

Heavy -duty heater hose for bus, truck and heavy
 equipment service. Similar to SAE20R3, Class R, Grade
 1A. Resists weathering

Application: Heavy Duty Truck/Bus Hose

Specification: SAE20R3 Class R

Cover Color: Black

Tube: EPDM

Standard Temperature: -40°F to +212°F



Item #	Inside Diameter	Length
CRP31120	5/8	50'
CRP30718	3/4	50'
CRP30722	1	50'

Gold Label® Heavy Duty Heater Hose

Gold Label Heavy Duty Heater Hose is made with the
 highest quality EPDM compounds and heavy duty spiral
 reinforcement to with stand high coolant and underhood
 temperatures of -40°F (-40°C) to +257°F (+125°C), and
 provide excellent resistance to coolant and coolant
 additives. This hose exceeds SAE20R3, Class D-1, Type EC,
 standard wall construction requirements.

Note: NOT suitable for fuel or oil transfer

Application: Heavy Duty Heater Hose

Specification: SAE20R3 Class D-1, Type EC

Cover Color: Black

Standard Temperature: -40°F to +257°F

**** Also Available in 250 ft.**



Item #	Inside Diameter	Length
DAY80230GL	3/8	50'
DAY80229GL	1/2	50'
DAY80231GL	5/8	50'
DAY80232GL	3/4	50'
DAY80233GL	7/8	50'
DAY80234GL	1	50'

HOSE & TUBING

Red Premium Heater Hose

A replacement for OE hose on most cars and light trucks. The high quality hose is similar to SAE20R3 Class D2, SAE J2387 for higher underhood temperatures. Withstands the abuse of corrosive solutions and additives. Resists weathering to provide a long, trouble-free service life.

Application:	Heater Hose
Style & Grade:	Red Standard
Specification:	TH-STD-HH
Cover Color:	Red
Tube:	EPDM
Reinforcement:	Two Spiral Polyester
Temperature Resistance:	-40°F to +257°F (Not for Steam Use)



Item #	Inside Diameter	Length
HBD4701-08151	1/2	50'
HBD4701-10151	5/8	50'
HBD4701-12151	3/4	50'

Red Premium Thermal Heater Hose

A replacement for OE hose on most cars and light trucks. The high quality hose is similar to SAE20R3 Class D2, SAE J2387 for higher underhood temperatures. Withstands the abuse of corrosive solutions and additives. Resists weathering to provide a long, trouble-free service life. A blue insulating layer helps to minimize heat loss. Four spiral reinforcement for extra strength

Application:	Heater Hose
Style & Grade:	Red Premium
Specification:	Similar to SAE20R3 Class D2, SAE J2387
Cover Color:	Red
Tube :	EPDM
Reinforcement:	Four Spiral Polyester
Cover:	EPDM
Temperature Resistance:	-40°F to +257°F (Not for Steam Use)



Item #	Inside Diameter	Length
HBD4712-08151	1/2	50'
HBD4712-10151	5/8	50'
HBD4712-12151	3/4	50'
HBD4712-16151	1	50'

Gold Label® Heavy Duty Quick-Fit® Radiator Hose

Gold Label Heavy Duty Quick Fit Radiator Hose features one ply of fabric reinforcement applied over a fully embedded helical steel wire for increased strength and superior collapse resistance. Designed to be used in applications with multiple and/or small radius bends that would cause regular straight hose to kink or collapse. The cover is made with the highest quality neoprene, developed to withstand the harshest environments found in heavy duty over-the-road and off-road applications. This hose meets the requirements for SAE J20R2, Class B Tube, Class C Cover, standard wall construction. This hose will withstand temperatures from -40°F to +212°F.

Note: *NOT suitable for fuel or oil transfer*

Application:	Heavy Duty Radiator Hose
Specification:	SAEJ20R3 Class B Tube, Class C
Cover Color:	Black
Standard Temperature:	-40°F to +212°F



Item #	Inside Diameter	Item #	Inside Diameter	Length
DAY75100GL	1	DAY75263GL	2-5/8	4'
DAY75113GL	1-1/8	DAY75275GL	2-3/4	4'
DAY75125GL	1-1/4	DAY75288GL	2-7/8	4'
DAY75138GL	1-3/8	DAY75300GL	3	4'
DAY75150GL	1-1/2	DAY75313GL	3-1/8	4'
DAY75163GL	1-5/8	DAY75325GL	3-1/4	4'
DAY75175GL	1-3/4	DAY75338GL	3-3/8	4'
DAY75188GL	1-7/8	DAY75350GL	3-1/2	4'
DAY75200GL	2	DAY75400GL	4	4'
DAY75213GL	2-1/8	DAY75450GL	4-1/2	4'
DAY75225GL	2-1/4	DAY75500GL	5	4'
DAY75238GL	2-3/8	DAY75550GL	5-1/2	4'
DAY75250GL	2-1/2	DAY75600GL	6	4'

Gold Label® Heavy Duty Straight Radiator Hose

Gold Label Heavy Duty Straight Radiator Hose is made with highest quality woven mesh fabric reinforcement, neoprene cover, and nitrile tube compounds to withstand the most corrosive elements in diesel engines: oil, coolants, coolant additives, and heat, with temperature rating of -40°F to +212°F. Designed for a wide range of light and heavy duty truck applications where the routing is relatively straight. This hose meets SAE requirements J20R1, Class B Tube, Class C Cover, standard wall construction.

Note: *NOT suitable for fuel or oil transfer*

Application:	Heavy Duty Radiator Hose
Specification:	SAEJ20R1, Class B Tube, Class C
Cover Color:	Black
Standard Temperature:	-40°F to +212°F



Item #	Inside Diameter	Item #	Inside Diameter	Length
DAY77075GL	3/4	DAY77200GL	2	3'
DAY77088GL	7/8	DAY77213GL	2-1/8	3'
DAY77100GL	1	DAY77225GL	2-1/4	3'
DAY77113GL	1-1/8	DAY77238GL	2-3/8	3'
DAY77125GL	1-1/4	DAY77250GL	2-1/2	3'
DAY77138GL	1-3/8	DAY77263GL	2-5/8	3'
DAY77150GL	1-1/2	DAY77275GL	2-3/4	3'
DAY77156GL	1-9/16	DAY77300GL	3	3'
DAY77163GL	1-5/8	DAY77325GL	3-1/4	3'
DAY77175GL	1-3/4	DAY77350GL	3-1/2	3'
DAY77188GL	1-7/8	DAY77400GL	4	3'

HOSE & TUBING

Flexfab Silicone Coolant Hose

4 ply blue silicone coolant hose reinforced with polyester fabric and coated with specially compounded silicone elastomer. Operating temperature is -65°F to +350°F. Meets or exceeds the requirements of SAE J20 R1 Class A, TMC RP303B Class I Grade I and most OEM truck manufacturers specifications.

Application: Coolant Hose
Specification: SAE J20 R1 Class A
Cover Color: Blue
Standard Temperature: -65°F to +350°F



Item #	Inside Diameter	Item #	Inside Diameter	Length
FLX5581-050	1/2	FLX5581-225	2-1/4	3'
FLX5581-062	5/8	FLX5581-238	2-3/8	3'
FLX5581-075	3/4	FLX5581-250	2-1/2	3'
FLX5581-087	7/8	FLX5581-262	2-5/8	3'
FLX5581-100	1	FLX5581-275	2-3/4	3'
FLX5581-112	1-1/8	FLX5581-300	3	3'
FLX5581-125	1-1/4	FLX5581-325	3-1/4	3'
FLX5581-138	1-3/8	FLX5581-350	3-1/2	3'
FLX5581-150	1-1/2	FLX5581-375	3-3/4	3'
FLX5581-162	1-5/8	FLX5581-400	4	3'
FLX5581-175	1-3/4	FLX5581-450	4-1/2	3'
FLX5581-200	2	FLX5581-500	5	3'
FLX5581-212	2-1/8	FLX5581-600	6	3'

Flexfab Silicone Heater Hose

Blue Hose/ Red Core silicone heater hose reinforced with nylon fiber reinforced. Resistant to coolant additives. Operating temperature is -65°F to +350°F. Meets TMC RP303B Class I Grade 2 specification.

Application: Heater Hose
Specification: TMC RP303B Class I Grade 2
Cover Color: Blue
Standard Temperature: -65°F to +350°F



Item #	Inside Diameter	Length
FLX5526-025	1/4	25'
FLX5526-031	5/16	25'
FLX5526-037	3/8	25'
FLX5526-050	1/2	25'
FLX5526-062	5/8	25'/50'
FLX5526-075	3/4	25'/50'/300'
FLX5526-087	7/8	25'/50'
FLX5526-100	1	25'/50'
FLX5526-125	1-1/4	25'/50'

Heater Hose Parts & Valves

90° Shut Off Valve (Steel)



Item #	Hose I.D	Pipe Thread	Qty
COR881S-106	5/8	3/8	1
COR881S-126	3/4	3/8	1

In-Line Shut Off Valve (Steel)



Item #	Hose I.D	Pipe Thread	Qty
COR880-88	1/2	1/2	1
COR880-1010	5/8	5/8	1
COR880-1212	3/4	3/4	1
COR880-1616	1	1	1

45° Shut Off Valve (Steel)



Item #	Hose I.D	Pipe Thread	Qty
COR885-106	5/8	3/8	1

Steel Nipple



Item #	Hose I.D	Male P.T.	Qty
COR1712-86	1/2	3/8	1
COR1712-104	5/8	1/4	1
COR1712-106	5/8	3/8	1
COR1712-108	5/8	1/2	1
COR1712-126	3/4	3/8	1
COR1712-128	3/4	1/2	1
COR1712-166	1	3/8	1
COR1712-168	1	1/2	1
COR1712-1612	1	3/4	1

90° Hose Connector



Item #	Hose I.D	Male P.T	Qty
COR1716-106	5/8	3/8	1
COR1716-108	5/8	1/2	1
COR1716-126	3/4	3/8	1
COR1716-128	3/4	1/2	1

45° Hose Connector



Item #	Hose I.D	Male P.T	Qty
COR1717-106	5/8	3/8	1
COR1717-128	3/4	1/2	1

T Splicer



Item #	Hose I.D	Qty
COR1718-10	5/8	1
COR1718-12	3/4	1

Y Connector



Item #	Hose I.D	Qty
COR1719-10	5/8	1
COR1719-12	3/4	1

Hose Splicer



Item #	Hose I.D	Qty
COR1720-8	1/2	1
COR1720-10	5/8	1
COR1720-12	3/4	1
Reducing Hose Splicer		
COR1721-108	5/8 x 1/2	1
COR1721-1210	3/4 x 5/8	1
COR1721-1612	1 x 3/4	1

HOSE & TUBING

Impact Tool Air Hose

Designed for tough service stations and shop air tool applications. It features an EPDM tube and cover with a four spiral polyester reinforcement that keeps the hose kink resistant and flexible in extreme temperatures. The cover is resistant to abrasion, weathering, and ozone. Available coupled with brass fittings or uncoupled on reels. Rated at 250 psi working pressure.

**** Custom Lengths Available.**

Application:	Impact Tool Air Hose
Branding:	Thermoid 3/8" Impact till Air Hose (UPC) Made in USA
Branding: (Heavt Duty)	Thermoid 1/2" HD Impact Tool Air Hose (UPC) Made in USA
Cover Color:	Red
Tube:	EPDM
Reinforcement:	Four Spiral Polyester
Temperature Resistance:	-40°F to +212°F (Not for Steam Use)



Item #	Inside Diameter	Male Pipe	Length
HBD1145-80416	3/8	1/4	25'
HBD1145-80419	3/8	1/4	50'
Heavy Duty Impact Tool Air Hose			
HBD1145-80421	1/2	1/2	50'

Recoil Nylon Air Hose

Stretches and recoils. Maximum working pressure up to 200 psi. Assembled with spring guards, tube inserts and standard compression fittings. Allows full flow of air to connect any tool and one end swivels.

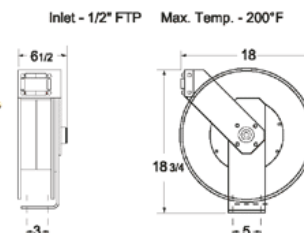
Item #	Hose I.D.	M.P Ends	Length
COR2019	1/4	1/4	12'
COR2020	3/8	3/8	12'
COR2022	1/4	1/4	25'
COR2023	3/8	3/8	25'
COR2025	1/4	1/4	50'
COR2026	3/8	3/8	50'



Low Pressure Hose Reels

Low pressure reels are ideally suited for plant maintaining, service trucks or many other industrial functions where hose storage is a problem. Standard hose for air, water, and water based solutions.

Item #	Hose I.D.	Operating Pressure	Length
HOS-LC350	3/8	300 PSI	50'
HOS-LC370	3/8	300 PSI	70'
HOS-LC550	1/2	300 PSI	50'



Pneumatic Disconnects

Aro Design

12/13-300 Series

This design is characteristic of the Aro-210 series, and requires a coupler of proper matching design. Although similar in appearance to the “Industrial/Milton Interchange” design, it can be easily distinguished because its pilot is 1/8" longer and its ball groove is nearly round.



Plug

Item #	Body Size	Male NPT	Qty
PLE12-324	1/4"	1/4"	1/10



Coupler

Item #	Body Size	Male NPT	Qty
PLE13-324	1/4"	1/4"	1/5



Coupler

Item #	Body Size	Female NPT	Qty
PLE13-334	1/4"	1/4"	1/5



Plug

Item #	Body Size	Female NPT	Qty
PLE12-334	1/4"	1/4"	1/10



Push Coupler

Item #	Body Size	Female NPT	Qty
PLE13-774	1/4"	1/4"	1/5

Coupler & Plug Interchanges

Tru-flate	Safeway	Parker	Milton
12-324	S801-2M	A2C	777
12-334	S801-2F	A3C	778
13-324	-	-	776
13-334	S805-2	B53	775
13-774	-	-	-

Lincoln Design

12/13-400 Series

The “Lincoln Long-Stem” design is the most easily identified design. The long 3/4" pilot is so distinctive it cannot be confused with other designs. It will only mate with couplers of matching designs and size.



Plug

Item #	Body Size	Male NPT	Qty
PLE12-424	1/4"	1/4"	1/10



Plug

Item #	Body Size	Female NPT	Qty
PLE12-434	1/4"	1/4"	1/10



Coupler

Item #	Body Size	Male NPT	Qty
PLE13-424	1/4"	1/4"	1/5



Coupler

Item #	Body Size	Female NPT	Qty
PLE13-434	1/4"	1/4"	1/5

Coupler & Plug Interchanges

Tru-flate	Lincoln	Parker	Milton
12-424	11659	L2C	791
12-434	11661	L3C	792
13-424	-	B72	794
13-434	815	B73	790

Pneumatic Disconnects (continued)

Tru-Flate® Design

12/13-300 Series

This design is easily recognized because it has the shortest plug pilot in the industry; however, it has the widest metal section between the ball groove and the pilot. In addition, the sealing surface on the end of the plug is wider than other “interchange” designs. This design provides better sealing characteristics and longer seal life.



Plug

Item #	Body Size	Male NPT	Qty
PLE12-124	1/4"	1/4"	1/10
PLE12-602	3/8"	1/4"	1/10
PLE12-604	3/8"	3/8"	1/10
PLE12-702	1/2"	3/8"	1/10
PLE12-704	1/2"	1/2"	1/10
PLE12-705	1/2"	1/2"	1/10



Plug

Item #	Body Size	Swivel Male NPT	Qty
PLE12-127	1/4"	1/4"	1/10



Plug

Item #	Body Size	Female NPT	Qty
PLE12-134	1/4"	1/4"	1/10
PLE12-610	3/8"	1/4"	1/10
PLE12-612	3/8"	3/8"	1/10
PLE12-712	1/2"	1/2"	1/10
PLE12-713	1/2"	1/2"	1/10



Plug

Item #	Body Size	Swivel Female NPT	Qty
PLE12-137	1/4"	1/4"	1/10



Plug

Item #	Body Size	ID Hose Barb	Qty
PLE12-117	1/4"	1/4"	1/10



Coupler

Item #	Body Size	Male NPT	Qty
PLE13-124	1/4"	1/4"	1/5
PLE13-602	3/8"	1/4"	1/5
PLE13-604	3/8"	3/8"	1/5



Coupler

Item #	Body Size	Female NPT	Qty
PLE13-134	1/4"	1/4"	1/5
PLE13-138	1/4"	3/8"	1/5
PLE13-610	3/8"	1/4"	1/5
PLE13-611	3/8"	1/4"	1/5
PLE13-612	3/8"	3/8"	1/5
PLE13-613	3/8"	3/8"	1/5
PLE13-705	1/2"	1/2"	1/5
PLE13-712	1/2"	1/2"	1/5
PLE13-713	1/2"	1/2"	1/5

Coupler & Plug Interchanges

Tru-flate	Parker	Milton
12-124	2C	783
12-127	-	-
12-134	3C	784
12-137	-	-
12-117	8C	783-4
12-602	0E	1809
12-604	2E	1807
12-610	1E	1810
12-612	3E	1812
12-702	0F	1819
12-704	2F	1817
12-705	2F	1817
12-712	3F	1818

Tru-flate	Parker	Milton
12-713	-	-
13-124	B12	786
13-134	B13	785
13-138	-	788
13-602	-	1804
13-604	14	1806
13-610	15C	1803
13-611	15C	1803
13-612	15	1805
13-613	15	1805
13-705	16	1817
13-712	17	1815
13-713	17	1815

Pneumatic Disconnects (continued)

Industrial/ Milton Design

12/13-300 Series

This design has been adopted by many coupler manufacturers, including Milton, Hansen, Aro, Lincoln and Schrader. It will work with either “sleeve” type or “push” type couplers. No matter what the coupler looks like, if it mates with this plug, it is an “Industrial/Milton Interchange” design. It can be identified by its 3/16” pilot and its flat-bottomed “V” – shaped ball groove. Conforms to ANSI (NFPA) T3.20.14-1990 dimensions.



Plug

Item #	Body Size	Male NPT	Qty
PLE12-224	1/4"	1/4"	1/10
PLE12-226	1/4"	3/8"	1/10
PLE12-525	3/8"	1/4"	1/10
PLE12-526	3/8"	3/8"	1/10
PLE12-752	1/2"	1/2"	1/10



Plug

Item #	Body Size	Swivel Male NPT	Qty
PLE12-229	1/4"	1/4"	1/10



Plug

Item #	Body Size	Female NPT	Qty
PLE12-234	1/4"	1/4"	1/10
PLE12-236	1/4"	3/8"	1/10
PLE12-535	3/8"	1/4"	1/10
PLE12-536	3/8"	3/8"	1/10
PLE12-762	1/2"	1/2"	1/10



Plug

Item #	Body Size	ID Hose Barb	Qty
PLE12-264	1/4"	1/4"	1/10
PLE12-266	1/4"	3/8"	1/10



Coupler

Item #	Body Size	Male NPT	Qty
PLE13-224	1/4"	1/4"	1/5
PLE13-226	1/4"	3/8"	1/5
PLE13-525L	3/8"	1/4"	1/5
PLE13-526	3/8"	3/8"	1/5
PLE13-705	1/2"	1/2"	1/5



Coupler

Item #	Body Size	Female NPT	Qty
PLE13-234	1/4"	1/4"	1/5
PLE13-236	1/4"	3/8"	1/5
PLE13-536	3/8"	3/8"	1/5
PLE13-712	1/2"	1/2"	1/5



Coupler

Item #	Body Size	ID Hose Barb	Qty
PLE13-264	1/4"	1/4"	1/5
PLE13-266	1/4"	3/8"	1/5



Push Coupler

Item #	Body Size	Female NPT	Qty
PLE13-753	1/4"	1/4"	1/5



Push Coupler

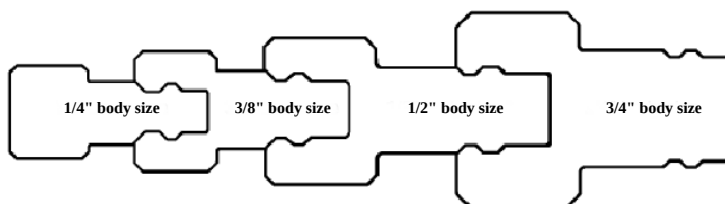
Item #	Body Size	Male NPT	Qty
PLE13-754	1/4"	1/4"	1/5

Pneumatic Disconnects (continued)

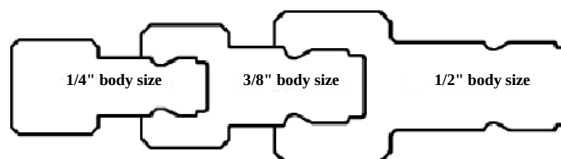
Industrial/ Milton Design Coupler & Plug Interchanges

Tru-flate	Safeway	Parker	Milton
12-224	S821-2M	H2C	727
12-226	-	H2C-E	733
12-229	-	-	-
12-234	S821-2F	H3C	728
12-236	-	H3C-E	732
12-264	-	H8C	736
12-266	-	H9C	736-6
12-525	-	H0E	-
12-526	S821-3M	H2E	1837
12-536	S821-3F	H3E	1838
12-752	-	H2F	1857
12-762	-	H3F	1858
13-224	S825-2M	B22	716
13-226	-	B22E	719
13-234	S825-2	B23	715
13-236	-	B23E	718
13-264	-	B20-3B	717
13-266	-	-	717-6
13-753	-	-	-
13-754	-	-	-
13-525L	S825-3-2M	24C	-
13-526	S825-3M	24	1836
13-536	S825-3	25	1835
13-705	-	-	-
13-712	-	B37	1815

Industrial/ Milton Series



Tru-Flate® Series



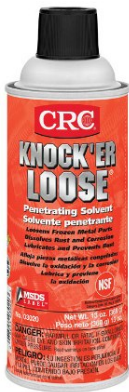
ARO Series



Lincoln Series



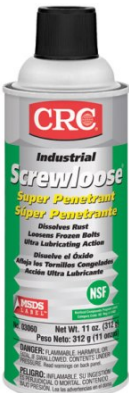
Lubricants

KNOCK'ER LOOSE®
Penetrating Solvent

An industrial strength, low viscosity lubricant and penetrant designed to quickly loosen and free seized, bound or frozen fasteners. It quickly dissolves rust, scale, gum, grease and corrosion with a formula that creeps into cracks, seams, threads and joints better than the competition. KNOCK'ER LOOSE eases the disassembly of machinery, tools and equipment for routine maintenance and emergency repairs.

- NSF H2 Registered for use in meat and poultry plants.
- Specially formulated to dissolve rust, varnish, gum and corrosion.
- Loosens rusted and corroded nuts, bolts, and frozen components
- Outperforms the competition
- Lubricating residue prevents corrosion

Item #	Container Size	Qty
CRC3020	16oz aerosol	1/12
CRC3021	1 gallon can	1/4

SCREWLOOSE®
Super Penetrant

SCREWLOOSE quickly penetrates through rust and corrosion to rapidly free corroded bolts, screws, fasteners, pins and bound mechanisms. Its clear, no mess formula eases disassembly of mechanical equipment, fittings and fixtures.

- NSF H2 Registered for use in meat and poultry plants.
- Facilitates fast and easy disassembly of mechanical components, fittings, assemblies and other fasteners.
- Clear formula contains no dyes and leaves no mess
- VOC compliant

Item #	Container Size	Qty
CRC3060	16oz aerosol	1/12
CRC3062	1 gallon bottle	1/4

3-36® Multi-Purpose Lubricant and Corrosion Super Penetrant

Multi-purpose lubricant, penetrant and corrosion inhibitor forms a clear, thin film that lubricates, prevents corrosion, displaces moisture, penetrates and cleans. 3-36 drives out moisture and leaves a thin, long lasting film to protect against corrosion.

- NSF H2 Registered for use in meat and poultry plants
- Cleans, lubricates, penetrates and loosens corrosion
- Prevents corrosion by displacing moisture
- Penetrates through corrosion to loosen frozen parts
- Lubricates without leaving sticky residue.
- Cleans light soils and contaminants
- Convenient 360° spray valve – can be sprayed from any position
- VOC compliant

Item #	Container Size	Qty
CRC3005	16oz aerosol	1/12
CRC3006	1 gallon bottle	1/4

**Food Grade Machine Oil**

Extremely efficient and effective general purpose lubricant used for food processing equipment. Food Grade machine Oil penetrates and loosens rust, scale, dirt and corrosion to free parts and fasteners.

- NSF H1 Registered for incidental food contact
- Contains no silicone and is virtually odorless and colorless
- Will not harm metal, wood, plastic or painted surfaces
- Meets FDA Regulation 21 CFR 178.3570 for incidental food contact
- Zero VOC

Item #	Container Size	Qty
CRC3081	16oz aerosol	1/12

Food Grade Silicone

Multi-purpose silicone spray for food processing and handling applications. It forms a colorless, odorless, non-staining film that lubricates and protects in most metal to non-metal applications. Silicone film eliminates binding and sticking, while protecting most surfaces. In addition, it may be used as a release agent.

- NSF H1 Registered for incidental food contact
- Harmless to most rubbers and plastics
- Wide effective temperature range (-40°F to +400°F)
- Excellent release agent and lubricant for all surfaces
- Convenient 360° spray valve- can be sprayed from any position
- Meets FDA Regulation 21 CFR 178.3570 for incidental food contact
- Reduces galling and friction

Item #	Container Size	Qty
CRC3040	16oz aerosol	1/12
CRC3041	5 gallon pail	1

**Food Grade Penetrating Oil**

An effective and efficient general purpose penetrant for use on all food processing equipment. The highly refined white mineral oil is colorless, odorless and tasteless to meet NSF and FDA standards. Food Grade Penetrating Oil can be used to loosen rust, scale and corrosion around fasteners and hose fittings on food processing equipment.

- NSF H1 Registered for incidental food contact
- General purpose, non-silicone lubricant for use all food processing equipment, fittings and fixtures.
- Colorless, odorless, tasteless
- Zero VOC

Item #	Container Size	Qty
CRC3086	16oz aerosol	1/12



Lubricants (continued)



Food Grade Chain Lube

A special blend of synthetic lubricants and mineral oil, designed to keep roller drive and conveyor chains lubricated. It is specifically designed to provide the convenience of aerosol application where incidental food contact may occur. Food Grade Chain Lube penetrates, lubricates and protects moving parts by reducing friction and wear.

- NSF H1 Registered for incidental food contact.
- Non-drying film effectively lubricates metal surfaces
- Formula contains anti-wear properties to extend chain life
- Foaming action penetrates chain bushings and pins and provides maximum adhesion

Item #	Container Size	Qty
CRC3055	16oz aerosol	1/12



Power Lube® High Performance Lubricant

High performance, multi-purpose lubricant with the benefits of PTFE to provide long lasting lubrication and protection against friction, wear and corrosion. Power Lube will increase the life and operating efficiency of parts and equipment, as well as withstand extreme load carrying situations.

- NSF H2 Registered for use in meat and poultry plants.
- Contains PTFE for long-lasting protection
- Withstands extreme load carrying situations
- Displaces moisture and seals out corrosion
- Surpasses 3,750 lbs. on Falex Load Test (ASTM D-3233)

Item #	Container Size	Qty
CRC3045	16oz aerosol	1/12



Extreme Duty Silicone

Premium grade silicone fluid that exhibits superior lubrication and temperature viscosity characteristics. Use Extreme Duty Silicone on all metallic and non-metallic surfaces.

- NSF H2 Registered for use in meat and poultry plants.
- Reduces friction and galling even on metal-to-metal contact areas
- High temperature (-100° to +450°F), high pressure (withstands 1200lbs. Falex test)
- High grade release and parting agent
- Clear, non-staining, odorless film resists moisture
- Convenient 360° spray valve – can be sprayed from any position

Item #	Container Size	Qty
CRC3030	16oz aerosol	1/12



Chain & Wire Rope Lubricant

Specifically formulated blend of synthetic lubricants and an organic molybdenum, anti-wear additive that penetrates deep, and leaves a tough film that lubricates and protects. Chain and Wire Rope Lube extends the working life chains and wire rope and reduces wear caused by friction and corrosion.

- NSF H2 Registered for use in meat and poultry plants.
- Resists water wash-off and high-temperature sling off
- Absorbs pin/bushing shock and cushions rollers, pins and bushing
- Can be applied with guards in place to eliminate costly downtime
- High temperature stability (up to 350°F continuous)

Item #	Container Size	Qty
CRC3050	16oz aerosol	1/12

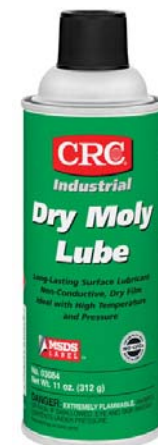


Extreme Duty Open Gear & Chain Lube

A tough, tacky, solid film lubricant used for reducing friction and wear. It is a heavy-duty compound specially prepared to penetrate pores of metal, with exceptional “stay-put” characteristics. It provides maximum lubrication and shock protection, reduces gear noise, lubricates, prevents scoring and welding of gear teeth.

- Tough, tacky, solid film
- Reduces friction and wear
- Contains Moly and Graphite
- Wide temperature range from -25°F to +350°F
- Will not wash or wear because of weather

Item #	Container Size	Qty
CRC3058	16oz aerosol	1/12



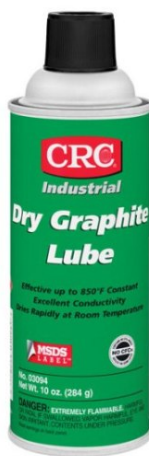
Dry Moly Lube

Specially formulated dry film lubricant incorporating a concentrated dispersion of molybdenum disulfide. Moly Lube lowers friction, prevents galling and helps to reduce torque and energy consumption.

- High anti-friction and anti-seizure properties
- Lubricant resists high temperatures (up to 650°F), high pressure, water and chemical attack
- Fast drying film resists dirt and dust build-up
- Non-conductive
- Harmless to most plastics, rubbers and metals

Item #	Container Size	Qty
CRC3084	16oz aerosol	1/12

Lubricants (continued)

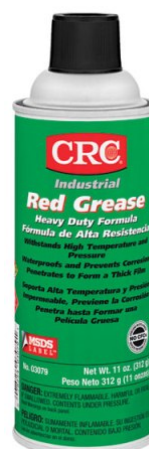


Dry Graphite Lube

A dry film lubricant that is ideal for application where petroleum products must be avoided. Dry Graphite Lube bonds instantly to metal, rubber, plastic and most substrates to form a dirt repelling barrier that lubricates and protects the surface from pressure and friction. Withstands temperatures up to 850°F and extreme pressures, as well as water and chemical attack.

- Lowers friction and prevents galling
- Resists dirt, dust and oil build-up
- Dries rapidly at room temperature
- Effective up to 850°F constant and 1,000°F intermittent
- Excellent conductivity

Item #	Container Size	Qty
CRC3094	16oz aerosol	1/12



Red Grease

Heavy-duty, NLGI Grade 2 aluminum complex based grease that provides superior lubrication and with stands high temperature and high pressure. It penetrates deep to form a tenacious, long lasting thick film. Red Grease is waterproof and resistant to acids, alkalis, salt, oxidation, weather and steam. It can extend the operating service life of equipment and reduce wear, galling and scoring.

- Withstands high temperature (up to 500°F) and pressure (45 lb. Timken Ok load)
- Waterproofs and prevents corrosion
- Red color provides easy visual inspection

Item #	Container Size	Qty
CRC3079	16oz aerosol	1/12



White Lithium Grease

High-purity, high-quality, NLGI Grade 2 white lithium based aerosol grease that provides superior lubrication and durability in any weather or temperature. Excellent as a break-in lubricant for bearings, and for general purpose lubrication and corrosion protection of machinery, tools and equipment.

- NSF H2 Registered for use in meat and poultry plants.
- Excellent heat and water resistance
- Contains rust and oxidation inhibitors for superior metal protection
- Smooth, buttery consistency provides optimum surface coverage
- Protects with a tough, high viscosity film
- White color allows for easy visual inspection of film coverage

Item #	Container Size	Qty
CRC3080	16oz aerosol	1/12



Di-Electric Grease

Unique, non-curing silicone compound used for electrical sealing, lubricating, protecting and insulating. Di-Electric Grease waterproofs electrical connections and components to protect against arcing due to moisture and other contaminants

- NSF H1 Registered for incidental food contact.
- Improves electrical performance during adverse conditions such as rain, fog, salt spray and temperature extremes
- Meets FDA Regulation 21 CFR 175.300 (release agent) and 21 CFR 178.3570 (lubricant, incidental food contact)
- Excellent lubricant for rubber and plastic parts
- Wide temperature range (-70°F to 400°F)

Item #	Container Size	Qty
CRC3082	16oz aerosol	1/12



Copper Anti-Seize and Lubricating Compound

General Purpose anti-seize lubricant that prevents seizing and galling caused by high temperature, heavy loads, vibration and corrosion. This unique formula has a smooth texture, fine particle sizing and familiar copper color, making it an excellent choice for closely fitted parts needing extreme lubrication.

- Copper-based, safe for use both ferrous and non-ferrous metals
- High temperature resistance protects parts up to 1800°F
- Electrically conductive – does not insulate and interrupt current flow
- Does not compromise integrity of soft metals
- Will not harden – heat aging won't affect lubricity of product

Item #	Container Size	Qty
CRC14095	16 oz aerosol	1/12
CRC35901	8oz brush top bottle	1/12



Welder's Anti-Spatter Spray

Prevents spatter from adhering to surrounding metal surfaces during welding. Eliminates the need to chisel, grind or wire brush after welding. Water-based formula allows easy clean-up w/out the use of solvent cleaners.

- Does not contain silicone
- Contains no ODCs
- Rust inhibiting additive prevents flash rust
- Non-hazardous decomposition
- Low odor

Item #	Container Size	Qty
CRC3083	16oz aerosol	1/12

Lubricants (continued)



Power Lube® Multi-Purpose Lubricants

Fast acting multi-purpose lubricant. This all in one product quickly penetrates, lubricates, stops squeaks, fights corrosion & loosens rusted parts

- Odor free
- Plastic Safe, non-staining
- Clings to metal for long-lasting lubrication and corrosion protection

Item #	Container Size	Qty
CRC5005	12oz aerosol	1/12
CRC5006	16oz aerosol	1/12
CRC5005	1 gallon	1/4



General Purpose Food Machinery Grade Silicone Lubricant

Developed for use on bottling, dairy and food processing machinery. For use on slides, O-rings, rubber seals and for general lubrication.

- NSF H1 Registered for incidental food contact
- Contains 20% silicone

Item #	Container Size	Qty
LUBL0723-063	9.5oz aerosol	1/12



SFGO-7 Ultra Spray

This high performance 100% synthetic multi-purpose, chain and penetrating lubricant provides quick, clean lubrication right where it is needed. It is an excellent general purpose penetrating fluid. Ideal for all types of machinery including non-food plant equipment, chains, slides, tools and general lubrication.

- NSF H1 Registered for incidental food contact
- Works well over a wide temperature range -25°F to +250°F

Item #	Container Size	Qty
LUBL0912-063	11oz aerosol	1/12



Chain & Cable Fluid

Superior penetrating oil. A cleansing non-gumming oil. Lubricates wire rope, chain, cables, any moving metal surfaces.

- Prevents rust and corrosion
- Protects brightwork, loosens rusty nuts and bolts.
- Excellent drilling, taping and sawing oil

Item #	Container Size	Qty
LUBL0135-063	12oz aerosol	1/12



Spray Lube "A"

A multi-purpose, white lithium-based lubricant of medium density.

- Sprays like a fluid, congeals to a grease
- Excellent for latches, locks, hinges, battery terminals and other hardware

Item #	Container Size	Qty
LUBL0034-063	12oz aerosol	1/12



Gear Shield Extra Heavy

Developed for easy lubrication of open gears.

- A tough tacky grease
- Excellent for fifth wheel applications

Item #	Container Size	Qty
LUBL0152-063	11oz aerosol	1/12



X-357 Lubricant

A special extreme pressure lubricant that penetrates and adheres. For use on pintle hooks, slide axles, open gears, fifth wheels.

- Water resistant
- Unaffected by temperature extremes
- Contains moly-disulfide

Item #	Container Size	Qty
LUBL0149-063	11oz aerosol	1/12

Lubricants

**Berkebile 2+2® Silicone Lubricant**

Lubricates and prolongs life of rubber weather stripping. Lubricates, water proofs and prevents freezing moving parts.

Item #	Container Size	Qty
BERB303	11oz aerosol	1/12

**Berkebile 2+2® Red Grease**

An Aluminum Complex EP Grease with Molydendum disulfide in an aerosol can. Dispenses as a thin liquid, solvent evaporates, setting up red grease in hard to reach area.

Item #	Container Size	Qty
BERB3600	16oz aerosol	1/12

**Berkebile 2+2® Pen Lube with Teflon®**

Long lasting teflon® formulation surpasses standard penetrating oils. Provides quick penetration. Loosens sticking, rusted & "frozen" parts and joints. Ideal for moving parts. For use on auto, marine, farm & industrial equipment.

Item #	Container Size	Qty
BERB3900	11oz aerosol	1/12

**Berkebile 2+2® White Lithium Grease**

Highly viscosity grease that stands up to extreme heat. Aerosol dispenser easily puts grease where needed.

Item #	Container Size	Qty
BERB800	12oz aerosol	1/12

**WD-40® Smart Straw Lubricant**

New Smart Straw features a permanently attached straw that sprays two ways. Simply flip it up for a precision stream and down for a regular spray action.

- Stops Squeaks
- Removes & Protects
- Loosens Rusted Parts
- Frees Sticky Mechanisms
- Drives out Moisture

Item #	Container Size	Qty
WD11005	8oz aerosol	1/12
WD11007	11oz aerosol	1/12

**WD-40® Industrial Size Lubricant**

Industrial Size Lubricant.

- Stops Squeaks
- Removes & Protects
- Loosens Rusted Parts
- Frees Sticky Mechanisms
- Drives out Moisture

Item #	Container Size	Qty
WD10116	16oz aerosol	1/12

**Heavy Duty WD-40®**

Known as "the can with thousands of uses," WD-40 protects metal from rust and corrosion, penetrates stuck parts, displaces moisture, and lubricates just about anything. WD-40 is also great when it comes to cleaning grease, grime, and other marks from most surface. Also, available in 5 gallon sizes available.

- Stops Squeaks
- Removes & Protects
- Loosens Rusted Parts
- Frees Sticky Mechanisms
- Drives out Moisture

Item #	Container Size	Qty
WD10010	1 gallon	1/4

Lubricants (lubricants)



Permatex® Fast Break® Super Penetrant

Heavy-duty penetrant for rusted and frozen assemblies. Works quickly to penetrate and loosen rust, tar, grease, dirt, carbon deposits and corrosion from metal parts. Frees frozen nuts, bolts, and fittings in all types of assemblies.

- Lubricates to free any corroded or seized parts
- Penetrates rust, scale, paint, varnish, carbon or gum

Item #	Container Size	Qty
PER80052	16oz aerosol	1/12



Permatex® White Lithium Grease

All-purpose white lubricant for metal to metal and metal to plastic applications. Protects against rust and makes surfaces friction-free. Stainless, nontoxic and contains no ODCs. Withstands moisture and high heat.

- Lubricates door hinges, hood latches, trunk latches, hatchback struts, seats tracks, garage door and delivery truck door tracks.

Item #	Container Size	Qty
PER81981	16oz aerosol	1/12



Permatex® Silicone Spray Lubricant

Lubricates and waterproofs all types of mechanical equipment. Stops friction and squeaks. Coats hinges and channels. Prevents locks, doors and windows from binding. High silicone formula does not attract dust or dirt. Protects and renews rubber mountings, bushings and weather stripping. Prevents binding, sticking and deterioration. Non-gumming. Will not mar paint, rubber or plastic surfaces. Waterproofs and electrically insulates

- Lubricates door locks, truck lids, brake cables and rubber molding.

Item #	Container Size	Qty
PER80070	16oz aerosol	1/12



Permatex® B Force™ Multi-purpose Lubricant

B FORCE™ is a biodegradable lubricant and penetrant that performs as well or better than traditional petroleum-based products. Formulated from a 100% renewable feedstock base, B FORCE™ is safe to use for a variety of home, auto, and industrial uses. Unlike petroleum based formulas, B FORCE™ won't pollute the water and soil or harm pets and children.

- Contains no VOCs and is safe to use both indoors and outdoors.

Item #	Container Size	Qty
PER80059	12oz aerosol	1/12



Permatex® Chain Lube

Cleans, lubricates, extends life and protects all types of roller chains, gears and cables that operate under exposed conditions. Easy-to-apply foaming action assures effective application. Repels dirt, sand and dust. Minimal "throw-off". Contains no ODC's.

- Ideal for any chain-driven tool or vehicle such as motorcycles, mopeds, chainsaws, lawnmowers and bicycles.

Item #	Container Size	Qty
PER80075	6oz aerosol	1/12



Permatex® Belt Dressing & Conditioner

Extends belt life. Penetrates the cord fibers of "V" belts to restore pliability and flexibility. Prevents belt slippage due to heat, cold, dampness, dust and glazing. Eliminates squeaking and slipping.

- Lubricates fan belts, water pumps, power steering, sewing machines, washing machines, air conditioners, lawn mowers and power tools.

Item #	Container Size	Qty
PER80073	12oz aerosol	1/12

Degreasers

Super Degreaser™



Non-chlorinated, non-conductive, non-corrosive, non-staining and with no flash or fire point. Advanced Technology Formula Super Degreaser quickly dissolves grease, oil and sludge for more efficient operation of mechanical equipment. Super Degreaser evaporates rapidly and leaves no residue. It is an optimal alternative to 1,1,1-Trichloroethane products. Use caution on plastics.

- No flash or fire point
- Contains no chlorinated solvents
- High dielectric strength of 26,800 volts
- Contains no Class I or Class II Ozone Depleting Chemicals
- NSF K2 Registered for use in meat and poultry plants.
- Not labeled for use in California

Item #	Container Size	Qty
CRC3110	20oz aerosol	1/12

Heavy Duty Degreaser™



Quickly and effectively removes grease, oil, tar, dirt, grime, corrosion, sludge and other stubborn substances to increase operating efficiency of equipment. Heavy Duty Degreaser offers quick and efficient degreasing action and fast evaporation with no residue. Use caution on plastics.

- No flash or fire point
- Non-corrosive, non-staining, and non-conductive
- High dielectric strength of 36,700 volts
- High cleaning strength of 129KB
- Contains no Class I or Class II Ozone Depleting Chemicals
- NSF K2 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC3095	20oz aerosol	1/12
CRC3096	1 gallon bottle	1/4
CRC3097	5 gallon pail	1

Quick Clean™ Safety Solvent and Degreaser



Effective heavy duty degreaser provides strong degreasing action, fast evaporation and no residue. It is non-flammable, does not contain VOCs, and contains no Class I or Class II Ozone Depleting Chemicals. Use caution on plastics and paints. Test on small area before use.

- Non-flammable
- Fast evaporation, leaves no residue
- Non-corrosive, non-staining, and non-conductive
- High dielectric strength of 37,500 volts
- NSF K2 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC3180	20oz aerosol	1/12

Heavy Duty Degreaser II™



An excellent for cleaning applications where chlorinated solvents are not acceptable. Heavy Duty Degreaser II effectively removes soils and cleans surfaces without residue build-up. Use caution on plastics.

- High flashpoint: 171°F
- Non-conductive and non-corrosive
- High dielectric strength of 39,600 volts
- Low odor compound, unlike citrus-based products
- Contains no Class I or Class II Ozone Depleting Chemicals
- NSF K2 Registered for use in meat and poultry plants
- VOC complaint

Item #	Container Size	Qty
CRC3120	20oz aerosol	1/12

Chlor-Free™ Degreaser



Innovative heavy duty non-chlorinated degreasing solvent that removes oil, grease and the contaminants. Excellent for use where rapid turnaround is necessary and low flashpoint solvents can be used. Use caution on plastics.

- Fast drying to help minimize downtime.
- Leave no residue
- Non-conductive, non-corrosive and non-staining
- Penetrates quickly to remove oil, grease and other contaminants
- NSF K2 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC3185	20oz aerosol	1/12

Gasket Remover Paint and Decal Remover



Solvent-based, high strength cleaner that remove baked-on fiber gaskets, gasket adhesives and sealants. Dissolves and aids removal of paints, lacquers, adhesives and varnish. Removes graffiti from metal and stone.

- Non-flammable
- Fast evaporation, leaves no residue
- Non-corrosive, non-staining, and non-conductive
- High dielectric strength of 37,500 volts
- NSF K2 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC3017	16oz aerosol	1/12

Degreasers (continued)

Industrial Strength Degreaser

Aqueous degreaser with the powerful performance of a solvent. Upon contact, Hydroforce Industrial Strength instantly begins to hunt-down, break-up and lift-off heavy deposits of grease, oil and dirt. It exhibits a unique spread ability that cleans up four times the surface area of competitive products. Perfect for facilities seeking an alternative to traditional solvents.



- For solvent strength degreasing
- Non-flammable
- Safe on most plastics
- Biodegradable, concentrated, non-abrasive
- Low foaming – perfect for hand held pressure washers & industrial high pressure parts washers
- Perfect for machinery, motors, concrete and non-porous surfaces
- Use caution on soft metals and painted surfaces
- NSF C1 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC14414	20oz aerosol	1/12
CRC14415	32oz trigger spray bottle	1/12
CRC14416	1 gallon bottle	1/4
CRC14417	5 gallon pail	1

All Purpose Degreaser

Versatile enough to use for all degreasing tasks. Hydroforce All Purpose breaks-up and lifts off grease, oil and dirt deposits. Hydroforce All Purpose exhibits a unique spreadability that cleans up to three times the surface area as a competing aqueous cleaners. Perfect for facilities seeking an improvement over their current all-purpose aqueous degreaser.



- For grease busting strength with maximum versatility
- Non-flammable
- Safe on most plastics
- Biodegradable and concentrated
- Low foaming – perfect for hand held pressure washers & industrial high pressure parts washers
- NSF C1 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC14406	20oz aerosol	1/12
CRC14407	32oz trigger spray bottle	1/12
CRC14408	1 gallon bottle	1/4
CRC14409	5 gallon pail	1

Butyl-Free All Purpose Cleaner

Butyl-free cleaner that is versatile enough for all of your cleaning tasks, but strong enough to attack and remove tough dirt, dust and grime deposits. Hydroforce Butyl-Free outcleans many competing aqueous cleaners containing butyl. Perfect for facilities seeking an efficacious all-purpose cleaner with maximum regulatory compliance



- Outperforms many competing cleaners containing butyl
- Non-flammable
- Safe on most plastics
- Biodegradable and concentrated
- Non-corrosive, non-abrasive
- Floor wax safe
- NSF A1, C1 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC14405	20oz aerosol	1/12
CRC14401	32oz trigger spray bottle	1/12
CRC14402	1 gallon bottle	1/4
CRC14403	5 gallon pail	1

Super Citrus™ Heavy Duty Degreaser

Naturally formulated, biodegradable degreaser that offers the superb cleaning power of citrus. Hydroforce Super Citrus dissolves grease, oil, ink, tar, asphalt and many other industrial residues.



- For solvent strength degreasing
- Non-flammable
- Safe on most plastics
- Wipes off easily and leaves no residue
- Pleasant citrus scent
- NSF C1 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC14440	20oz aerosol	1/12

Zero VOC General Purpose Cleaner

Provides maximum regulatory compliance without performance compromises. It is strong enough to attack and remove tough dirt, dust, and grime deposits. Yet its moderate pH formula, biodegradability and zero VOC content. Make it versatile and safe enough to use daily for all your cleaning tasks.



- Non-flammable
- Safe on most plastics
- Floor wax safe
- Residual cleaning action
- NSF A1 Registered for use in meat and poultry plants.

Item #	Container Size	Qty
CRC14446	32oz trigger spray bottle	1/12

Degreasers (continued)



Battery Cleaner

Water soluble formula designed to remove corrosion quickly and economically while neutralizing acid spills. Use to restore battery output and reduce voltage leakage due to contaminants.

- Assures maximum battery current flow
- Promotes longer battery life
- Use CRC Battery Terminal Protector (#03175) for extended protection

Item #	Container Size	Qty
CRC3176	12oz aerosol	1/12



Glass Cleaner Professional Strength

Versatile enough to use on your most delicate glass surfaces, but strong enough to quickly cut through the toughest dirt, dust, fingerprint and haze deposits without streaking. Its ammonia-fortified formula contains a foaming agent for greater coverage and fewer run-offs when cleaning vertical surfaces. Hydroforce Glass Cleaner is nearly twice as effective at eliminating streaks as other leading brands.

- For professional strength, streak-free glass cleaning
- Biodegradable, ready to use
- Non-abrasive foaming action
- Non-flammable, non-ozone depleting
- NSF C1 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC14412	20oz aerosol	1/12
CRC14411	32oz trigger spray bottle	1/12



Stainless Steel Cleaner & Polish

Using an exclusive ultra shine formula, hydroforce Stainless Steel Cleaner & Polish eliminates dirt, dust, fingerprints and watermarks and leaves behind a protective, non-greasy barrier that resists the return of these stains. Created specifically for industrial applications, Stainless Steel Cleaner is formulated with powerful cleaning agents designed to out-clean, out shine and out-perform competing janitorial stainless cleaners.

- Industrial strength
- Non-flammable
- Biodegradable, ready to use
- Non-corrosive and non-ozone depleting
- NSF C1 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC14446	20oz aerosol	1/12



Foaming Citrus All Purpose Cleaner

Rich, Foamy, aqueous-based cleaner with a citrus scent. Hydroforce Foaming Citrus clings to tough, stubborn stains on vertical or inverted surfaces without runs or drips. Its foaming action instantly begins to lift lift-off and eliminate dirt, dust, ink and grime deposits.

- Biodegradable and butyl-free
- Non-flammable
- Safe on most plastics
- Non-corrosive, non-abrasive
- Industrial Strength, non-ozone depleting
- Thick foam prevents drips and runs on vertical or inverted surfaces
- Pleasant citrus scent
- NSF C1 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC14400	20oz aerosol	1/12



Citrus Degreaser

A unique, biodegradable, heavy duty degreaser that is extremely effective for dissolving and removing grease, oil, lubricants and contaminants without requiring water wash off and without leaving a residue. Use caution on plastics and paints.

- d-Limonen and petroleum blended cleaner
- Fast evaporation, leaves no residue
- Non-corrosive, non-abrasive and non-staining
- Pleasant citrus scent
- NSF C1 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC14170	20oz aerosol	1/12



Natural Degreaser™ Citrus Based Degreaser

Naturally formulated, biodegradable degreaser that offers the natural cleaning citrus. It does not require water wash-off, and does not leave a sticky residue commonly associated with citrus-based cleaners. Natural Degreaser contains no Class I or Class II Ozone Depleting Chemicals or chlorinated solvents. Use caution on plastics and plants.

- d-Limonen and petroleum blended cleaner
- Fast evaporation, leaves no residue
- Non-corrosive, non-abrasive and non-staining
- Pleasant citrus scent
- NSF C1 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC14005	20oz aerosol	1/12

Degreasers (continued)



GUNK® Engine Brite®

For gasoline or diesel engines, farm and construction equipment, bicycles, industrial machinery. Quickly penetrates and liquefies grease and grime.

Item #	Container Size	Qty
RADEB-1	16oz aerosol	1/12



Berkible 2+2® Gum Cutter

Concentrated cleaner cleans carburetor and metal parts. Safe for use with catalytic converters & sensors.

Item #	Container Size	Qty
BERB101	16oz aerosol	1/12



Non-Flammable GUNK® Foamy Engine Brite®

Foam clings to vertical surfaces crevices and hard to reach places. Quickly removes grease, dirt, grime from gasoline or diesel engines, farm, industrial and construction machinery. Safe on all under-hood rubber, plastic, or paint when used as directed

Item #	Container Size	Qty
RADFEB-1	18oz aerosol	1/12



Permatex® Eliminator® II Engine Degreaser

Quickly dissolves and removes grease, oil and dirt from all types of equipment. Cleans iron, steel, aluminum, magnesium and copper. Not harmful to metal, rubber, plastic or concrete. Rinses off easily with water. Suggested Applications: Engines, garage floors, tools, machinery.

Item #	Container Size	Qty
PER80043	20oz aerosol	1/12



HYDROSEAL®II

Contains no carcinogens or chlorinated solvents. Non-corrosive, odorless. May be used in stainless steel parts washers, check for compatibility before use. Safe for use on all metals, including aluminum, brass, chrome, copper, and nickel. Not for use on plastic or rubber.

Item #	Container Size	Qty
RADHS-3	1 gallon can	1/4
RADHS-3K	1 3/4 gallon Kit w/ basket	1
RADHS-5K	5 gallon Kit w/ basket	1
RADHS-5LB	5 gallon pail	1



PB™ Blaster

Breaks free rusted joints and frozen parts by removing surface tension. Powerful, concentrated penetrating catalyst. Non-evaporating lubricant. Protects against further rust and corrosion. Best used on mechanical repairs, equipment maintenance and plumbers aid.

Item #	Container Size	Qty
BLAS16-PB	16oz aerosol	1/12

Cleaners

**Brakleen® Brake Parts Cleaner**

Quickly removes brake fluid, grease, oil and other contaminants from brake linings and pads. Helps brakes last longer and perform more efficiently.

- Non-flammable
- Cleans fast, dries fast, leaves no residue
- Degreases instantly
- Works without disassembly
- Not legal for use in California

Item #	Container Size	Qty
CRC5089	20oz aerosol	1/12
CRC5090	1 gallon bottle	1/4
CRC5091	5 gallon pail	1

**Non-Chlorinated Formula Brakleen® Brake Parts Cleaner**

Use where compliance calls for a chlorine-free product. Quickly removes brake fluid, grease, oil and other contaminants from brake linings and pads.

- Contains no chlorinated solvents
- Cleans fast, dries fast, leaves no residue
- Works without disassembly

Item #	Container Size	Qty
CRC5084	20oz aerosol	1/12
CRC5085	1 gallon bottle	1/4
CRC5086	5 gallon pail	1

**Ultra-Low VOC Non-Chlorinated Formula Brakleen® Brake Parts Cleaner**

- Contains no chlorinated solvents
- Cleans fast, dries fast, leaves no residue
- Instantly removes brake fluid, grease & oil
- Safe on most automobile plastics
- SCAQMD Rule #1171 compliant

Item #	Container Size	Qty
CRC5151	20oz aerosol	1/12

**Mass Air Flow Sensor Cleaner**

- Safely cleans and protects mass air flow sensors
- Plastic safe, dries rapidly and leaves no residue
- Increases horsepower, gain 4 to 10 horsepower after using
- Reduces rough idle

Item #	Container Size	Qty
CRC5110	16oz aerosol	1/12

**Lectra Motive® Electric Parts Cleaner**

- Provides fast, thorough cleaning for non-sensitive electrical equipment
- Dissolves grease, oil, dirt and wax
- Leaves no residue
- Non-flammable

Item #	Container Size	Qty
CRC5018	20oz aerosol	1/12

**Clean -R-Carb® Electric Parts Cleaner**

- Instantly dissolves deposits on venturiers, linkages, butterflies and PCV systems
- Improves fuel system performance
- Harmless to catalytic converters and oxygen sensors

Item #	Container Size	Qty
CRC5079	12oz aerosol	1/12

Cleaners (continued)



CRC Battery Cleaner

Designed to remove corrosion quickly and economically while neutralizing acid spills. Just spray it on and rinse off with water. Applications – for use on battery terminal, casing, cable connectors and retainer frames.

- Reduces voltage leakage due to contaminants
- Helps prevent corrosion
- Assures maximum battery current flow
- Convenient to use

Item #	Container Size	Qty
CRC5023	12oz aerosol	1/12



CRC Battery Terminal Protector

Specially designed to protect battery terminals from corrosion, a leading cause of hard starting and battery failure. Provides a lead-free, soft film protective coating. Applications – for any vehicle battery.

- Formulated for aerosol application
- Dries quickly and protects instantly
- Prolongs battery life

Item #	Container Size	Qty
CRC5046	12oz aerosol	1/12



CE™ Precision Cleaner

Azeotropic blend designed specifically for dissolving and flushing away carbon dust, polar soils, mineral oils and non-polar soils found in elevator rooms and vertical lifts. CE Precision Cleaner has a controlled evaporation rate, providing sufficient dwell time to dissolve and flush dirt from surfaces before evaporating without leaving a residue.

- NSF K2 Registered
- Non-flammable
- Safe on most plastics
- Low odor
- High dielectric strength of 28,400 volts
- Contains COzol® technology

Item #	Container Size	Qty
CRC14035	16oz aerosol	1/12



Electronic Component Cleaner Precision Cleaner & Light Duty Degreaser

Aggressive cleaner and light duty degreaser for use in industrial, electrical, electronic and aviation applications. Its high purity, fast penetrating formula aggressively dissolves grease, dust, lint, dirt, oils, polar soils, and other contaminants from most non-plastic surfaces. It evaporates very rapidly and leaves no residue.

- Non flash or fire point
- High purity formula
- Fast evaporation
- Removes flux and polar soils
- Chemically stable, non-conductive and non-corrosive
- Test on plastics

Item #	Container Size	Qty
CRC3200	16oz aerosol	1/12



QD® Contact Cleaner

A petroleum distillate and alcohol blended precision cleaner suitable for cleaning sensitive electronics. QD evaporates quickly, leaves no residue and is safe to use on all plastics. QD Contact Cleaner contains no Class I or Class II Ozone Depleting Chemicals

- Plastic Safe
- Evaporates quickly and leaves no residue
- Effectively removes soil and other contaminants from electronic components
- Ideal for applications where lower flashpoint solvents can be used
- NSF K Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC3130	16oz aerosol	1/12



CRC QD Electronic Cleaner

An excellent precision cleaning solvent that instantly removes oil, grease, dirt, flux, and other contaminants. Ideal for applications where low flashpoint solvents may be used. Applications – for electrical and electronic components and contacts.

- Evaporates quickly and completely
- Harmless to most plastics
- Leaves no residue
- Contains no CFCs or chlorinated solvents
- Authorized for use in federally inspected meat and poultry plants

Item #	Container Size	Qty
CRC5102	12oz aerosol	1/12

Cleaners (continued)

Contact Cleaner



Advanced Technology Formula Contact Cleaner does not contain known ozone depleting substances or VOCs. It provides an optimal alternative to CFC, HCFC, and flammable contact cleaners. Its blend of HFE and HFC solvents are non-chlorinated, non-flammable, plastic safe and fast evaporating. Contact Cleaner will not damage sensitive modern plastics such as Noryl®, ABS and Lexan®.

- Non-flammable
- Plastic Safe
- Evaporates quickly and leaves no residue
- Non-chlorinated, non-staining and non-corrosive
- High dielectric strength of 27,600 volts
- Contains no VOCs
- Contains no Class I or Class II Ozone Depleting Chemicals
- NSF K2 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC3070	16oz aerosol	1/12

PF™ Precision Cleaner



Innovative contact cleaner that offers strong cleaning action, fast evaporation and no residue. PF Precision Cleaner has no flash or fire point and is safe to use on plastics. PF Precision Cleaner contains HCFC (141b) which has use restrictions and may only be sold to commercial users for applications consistent with the regulation

- No flash or fire point
- Plastic Safe
- Fast evaporation
- Contains no Class I Ozone Depleting Chemicals
- NSF K2 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC3190	16oz aerosol	1/12



Electronic Degreaser

Utilizes advanced COzol® technology to combine the power of a high performance industrial strength degreaser with a high performance industrial strength degreaser with the safety that modern regulations demand. The non-chlorinated, non-conductive, non-corrosive, non-staining formula quickly dissolves grease, oil and sludge. Electronic Degreaser is not subject to the reporting requirements of RCRA

- No flash point
- Contains no chlorinated solvents
- Evaporates quickly and leaves no residue
- Contains no Class I or Class II Ozone Depleting Chemicals
- NSF K2 Registered for use in meat and poultry plants
- Test on plastics
- Not labeled for use in California

Item #	Container Size	Qty
CRC3215	16oz aerosol	1/12

HF™ Contact Cleaner



Petroleum distillate-based precision cleaner that offers the safety of a high flashpoint without leaving a residue. It may be used on most plastic materials.

- Zero VOCs
- High flashpoint: >200°F
- Leaves no residue
- Contains no Class I or Class II Ozone Depleting Chemicals
- NSF K2 Registered for use in meat and poultry plants
- Test on plastics

Item #	Container Size	Qty
CRC3125	16oz aerosol	1/12

Duster™ Aerosol Dust Removal System



Removes dirt and dust from any surface without damaging sensitive components or surface finish. Penetrates into cracks and crevices to remove contaminants that normal hand dusting cannot reach. It delivers a powerful blast of product to remove embedded debris. The extension tube can be used for more precise delivery.

- Non-flammable
- Plastic Safe
- No residue
- Non-abrasive
- NSF K2 Registered for use in meat and poultry plants

Item #	Container Size	Qty
CRC14085	16oz aerosol trigger	1/12

Cleaners (continued)



Freeze Spray

Aerosol coolant system that instantly freezes surfaces to -60°F, dissipating heat and cooling equipment. Assists in locating thermal intermittent components, failures and shorts. Safe to use on sensitive components and all surface finishes. Freeze Spray comes with an extension tube for precise application of the product.

- Non-flammable
- Safe on plastics
- Dries instantly, leaves no residue
- Non-abrasive
- Contains no Class I or Class II Ozone depleting Chemicals

Item #	Container Size	Qty
CRC14086	12oz aerosol	1/12



Berkebile 2+2 Clean Brake

Safely removes brake fluid, oil, grease, and other contaminants from brake lining without residue.

Item #	Container Size	Qty
BERB350	16oz aerosol – Original Formula	1/12
BERB3200	16oz aerosol – Non-Chlorinated	1/12



Permatex® Pro-Strength Brake & Parts Cleaner

Aggressively penetrates, dissolves, and removes oil, grease, and brake fluid. Dries fast with no residue. Developed for brake professionals. Contains no ODCs. Suggested Applications: All brake systems, C.V. joints, machinery, tools and farm equipment.

Item #	Container Size	Qty
PER82606	20oz aerosol	1/12



Permatex® Non-Chlorinated Brake & Parts Cleaner

Penetrates, dissolves and removes dirt and oil from brake systems and metal parts. Safer for aluminum. Leaves no contaminant-attracting residue or chlorinated solvent run-off. Helps manage EPA halide limits. Suggested Applications: All brake systems, C.V. joints, machinery, tools, farm equipment.

Item #	Container Size	Qty
PER82220	20oz aerosol	1/12



Non-Chlorinated Brake Cleaner

High solvency and fast evaporative properties quickly dissolve and flush away brake fluid, oil, and other contaminants from all types of brake and CV Joint assemblies. Spray can be applied without disassembly of the unit. Leaves no residue. Helps to eliminate brake squeal and “chatter”.

Item #	Container Size	Qty
RADM715	15oz aerosol	1/12



Permatex® Carburetor & Parts Cleaner

Excellent cold parts immersion cleaner. Removes grease, gum, varnish, paint and barrel carbon from carburetor assemblies and all metal parts. Works on all types of engines and equipment. Suggested Applications: Removes gum and deposits on throttle plates or choke plates; removes grease from all metal parts.

Item #	Container Size	Qty
PER82578	1 gallon can	1/4
PER82580	3.5 gallon pail w/ dip basket	1



Brake & CV Joint Cleaner

High solvency and fast evaporation spray instantly decreases both conventional and disc brake assemblies. Quickly dissolves and flushes away brake fluid, grease. Oil, and other contaminants without disassembly.

Item #	Container Size	Qty
RADM720	22oz aerosol	1/12



Permatex® Motor Muscle® Throttle Body, Carb & Choke Cleaner

OEM certified. A high pressure spray to dissolve residue and performance robbing deposits on air intakes, carburetors and chokes of all gasoline engine-powered equipment. Oxygen sensor-safe. Improves engine performance. Suggested Applications: Manual and automatic chokes, baffle plates, air takes, carburetor linkages, heat risers, PVC valves.

Item #	Container Size	Qty
PER80079	16oz. aerosol	1/12

Cleaners (continued)



Permatex® Battery Cleaner

Spray it on and wash corrosion off. Works in just three minutes. Penetrates and removes corrosion, dirt and grime instantly. Cleans all types of storage batteries and attachments in emergency power supply systems. Suggested Applications: Automotive, marine, farm machinery and motorcycle batteries, cables, and terminal connections.

Item #	Container Size	Qty
PER80369	16oz. aerosol	1/12



Spray Nine® Grez-Off® Heavy Duty Degreaser

A biodegradable, water-based cleaner that effectively removes heavy duty grease and dirt. Nonflammable, no fumes, no abrasives, no acids. USDA approved and VOC compliant in all 50 states. Removes heavy grease, dirt, 5th wheel grease, lubricants, oil, hydraulic fluid, grime, heavy molly grease, tar and more! Suggested Applications: Engines, machinery, tools, workbenches, garage, floors/walls, asphalt, stainless steel, chrome, condenser coils, and exhaust hoods.

Item #	Container Size	Qty
SPR22732	32oz. pump spray bottle	1/12
SPR22701	1 gallon capped bottle	1/12



Spray Nine® Tough Task Cleaner/Disinfectant

This water-based cleaning solution contains no petroleum solvents. USDA approved, it safely cleans and degreases, as well as disinfects surfaces from harmful viruses, germs and bacteria. Makes it easy to blast through the worst dirt, grease, grime and other stubborn soils fast. Also, helps control mold, mildew, destroys bacteria odors and reduces cross contamination of germs. Suggested Applications: Vinyl, plastics, rubber, engines, toolboxes, garbage pails, showers and more.

Item #	Container Size	Qty
SPR26832	32oz. pump spray bottle	1/12
SPR26801	1 gallon capped bottle	1/6
SPR26805	5 gallon capped bottle	1



Simple Green® Concentrated Cleaner

It's non-toxic and biodegradable, without harmful bleach or ammonia. It is an economical concentrate that you can custom dilute to clean just about anything. Simple Green replaces most cleaners, detergents, degreasers and solvents you're using now. Suggested Applications: Engines, machinery, manufacturing equipment, food processing plants, food preparation area (grills, vents, traps & more), prepping prior to painting/plating/welding, fleet/mass transit vehicles, HVACR coils, cooling towers, etc.

Item #	Container Size	Qty
SIM-13012	24oz. pump spray bottle	1/12
SIM-13005	1 gallon capped bottle	1/6
SIM-13006	5 gallon capped bottle	1
SIM-13008	55 gallon drum	1



Glass Cleaner 20-20

Non-abrasive, quick acting glass cleaner. Retards fogging, brightens and polishes. Use on glass, mirrors, and painted surfaces, etc.

Item #	Container Size	Qty
SEY20-020	20oz. aerosol	1/12



Graffiti Remover

A multi-purpose formula for effectively removing graffiti from almost any surface. Ideal for use as a gasket remover. Adheres to vertical surfaces. Works quickly and applies with minimal overspray.

Item #	Container Size	Qty
SEY20-047	20oz. aerosol	1/12

Spray Paint



Industrial MRO® High Solids

A superior, lead free industrial coating formulated for general purpose applications where maximum performance is required. Single coat hiding power that protects against rust, weather, gasoline & moist corrosive chemicals. Withstands high humidity and temperatures up to 300°F. VOC compliant.

Item# & Color	Size	Qty
SEY620-1407 - Red Iron Oxide SEY620-1411 - Aluminum SEY620-1413 - Gloss White SEY620-1415 - Gloss Black SEY620-1416 - Gray (ANSI 61) SEY620-1417 - Dark Machinery Gray (ANSI 49) SEY620-1418 - Light Machinery Gray (ANSI 70) SEY620-1419 - Safety Yellow SEY620-1423 - Safety Red	SEY620-1426 - Deep Blue SEY620-1460 - Stainless Steel SEY620-1427 - Safety Blue SEY620-1431 - Light Gray Primer SEY620-1433 - Flat Black SEY620-1435 - Tan SEY620-1443 - Equipment Yellow SEY620-1450 - Omaha Orange SEY620-1451 - Safety Orange	20 oz. Aerosol Can 1/6



HI-TECH® Enamels

A high quality coating for wood, metal and most other surfaces. Ideal for general purpose applications where maximum indoor/outdoor coating performance is required. Fast dry, sag-free spray that resists temperatures up to 300°F. VOC compliant.

Item# & Color	Size	Qty
SEY16-112 - Dove Gray SEY16-113 - Gloss White SEY16-115 - Gloss Black SEY16-127 - Gloss Blue SEY16-128 - Gloss Hunter Green SEY16-130 - Gloss Brown SEY16-133 - Flat Black SEY16-139 - Semi-Gloss Black SEY16-140 - Gloss Colonial White	16 oz. Aerosol Can	1/6



HI-TECH® Engine Paints

A special formulation for close work applications. Produces a coating of superior durability under various stress conditions. Restores original factory color to engines, transmissions and other OEM equipment. Heat resistant up to 300°F. VOC compliant.

Item# & Color	Size	Qty
SEYEN-41 - Chrome Aluminum SEYEN-42 - Universal (G.M.) Black SEYEN-43 - Ford Gray SEYEN-46 - Ford Blue SEYEN-48 - Chevy Orange SEYEN-60 - Alpine Green (Detroit Diesel) SEYEN-67 - G.M. Blue (Chevy, Pontiac, Buick) SEYEN-70 - Gloss Clear	16 oz. Aerosol Can	1/6

Spray Paint (continued)



STRIPE® Inverted Tip Marker - Waterbase

A fast drying permanent marking paint applied in an inverted position. Produces vivid lines and is safe on grass. This non-clogging formulation will not wash away. Lead-free colors and VOC compliant. Also, provided with Seymour's Converta-Cap, which prevents accidental discharge and can be used without removing cap from can.

Item# & Color	Size	Qty
SEY16-652 - White	16 oz. Aerosol Can	1/12
SEY16-677 - Caution Yellow (Highway)		
SEY16-657 - Orange Fluorescent		



STRIPE® Inverted Tip Marker (Street & Utility Marking Paint)

A fast drying permanent marking paint applied in an inverted position. Produces vivid lines and is safe on grass. This non-clogging formulation will not wash away. Waterbase, lead-free colors and VOC compliant. Also, provided with Seymour's Converta-Cap, which prevents accidental discharge and can be used without removing cap from can.

Item# & Color	Size	Qty
SEY20-652 - White	20 oz. Aerosol Can	1/12
SEY20-653 - Precaution Blue		
SEY20-655 - Safety Green		
SEY20-670 - Alert Orange		
SEY20-671 - Safety Red		
SEY20-678 - Utility Yellow		
SEY20-657 - Orange Fluorescent		
SEY20-658 - Red/Orange Fluorescent		
SEY20-679 - Pink Fluorescent		



STRIPE® Traffic Marker (Use with Z-604)

The original waterbase formulation for line striping. Makes 2" - 4" wide strips that are traffic ready in 60 minutes. Good hide with one application. One can will stripe approximately 250 linear feet. VOC compliant.

Item# & Color	Size	Qty
SEY20-642 - Traffic White	20 oz. Aerosol Can	1/12
SEY20-646 - Traffic Yellow		

Spray Paint (continued)



Marking Wand

For use with a variety of Stripe Inverted Tip Marking paints, this light-weight tool is ideal for a wide range of marking applications.

Item# & Description	Qty
SEYZ-606 - Stripe Wand	1



Farm & Industry Enamels

A premium grade lead free enamel formulated for maximum exterior durability and outstanding weather resistance. Gasoline, oil, and grease resistant. Withstands temperatures up to 300°F with minimal chipping, cracking, and fading. VOC compliant.

Item# & Color	Size	Qty
SEY16-210 - Allis Chalmers Orange SEY16-212 - Equipment Yellow (old) SEY16-213 - Equipment Yellow SEY16-214 - IHC Red SEY16-266 - New J.D. Yellow SEY16-268 - New J.D. Green SEY16-286 - School Bus Yellow	16 oz. Aerosol Can	1/6



SPRUCE® 473 – General Use Enamels

A top quality product that provides a tough, durable finish. Fast drying with reduced over-spray that provides good adhesion to most metal and wood surfaces.

Item# & Color	Size	Qty
SEY98-3 - Gloss Black SEY98-4 - Gloss Cherry Red SEY98-7 - Gloss Smoke Gray SEY98-8 - Gloss Hunter Green SEY98-11 - Gloss Clear SEY98-24 - Satin Black SEY98-81 - Parrot Green	16 oz. Aerosol Can	1/12

Spray Paint (continued)



SPRUCE® 473 - Metallics

Quick drying product that is sag resistant, with reduced over-spray. Temperature resistant up to 250°F. Provides good chemical and grease resistance.

Item# & Color	Can Size	Qty
SEY98-17 - Nickel (Gun Metal Gray)	16 oz.	1/12



SPRUCE® 473 - Primers

A specially formulated undercoating that prevents rust, while enhancing the performance of the finish coat. Fast dry sealing and filling properties. Can be used with lacquer, alkyd, enamel and acrylic finish coats Temperature resistant up to 250°F.

Item# & Color	Can Size	Qty
SEY98-15 - Light Gray	16 oz.	1/12



HOT SPOT® High Temperature Paints (1200°F)

A special formulation that can withstand temperatures up to 1200°F on a continuous basis. A porcelain-like bond is formed at high temperatures. Resists blistering, peeling, discoloration and/or loss of adhesion.

Item# & Color	Size	Qty
SEY16-1201 - Aluminum	20 oz.	1/6
SEY16-1203 - Black	Aerosol Can	



Orr-Lac® Hi Heat

Orr-Lac spray paint provides a fast drying, durable finish. Withstands 1200°F.

Item# & Color	Size	Qty
SPR951 - Black	16 oz.	1/12
SPR952 - White	Aerosol Can	

Spray Paint (continued)



Orr-Lac® Heavy Duty/ Automotive

Orr-Lac spray paint provides a fast drying, durable finish and can be used indoors or outdoors. Orr-lac is easy to apply and has excellent adhesion.

Item# & Color	Size	Qty
SPR900 – Gloss White SPR903 – Gloss Black SPR904 – Flat Black SPR907 – Bright Silver SPR911 – Cherry Red SPR914 – Hunter Green SPR920 – School Bus Yellow SPR921 – Caterpillar Yellow SPR923 – Semi-Gloss Black SPR928 – New Caterpillar Yellow SPR940 – Gray Primer SPR944 – Red Rust Resistant Metal Primer SPR985 – OSHA Yellow SPR986 – OSHA Purple SPR988 – OSHA Red	16 oz. Aerosol Can	1/12



Inverted Marking Paint

Inverted marking paint is specially formulated in a special spray can that works upside down. This spray paint marks crisp, fast-dry, high-visibility lines on grass, pavement, cement, gravel, dirt, lumber and more.

Item# & Color	Size	Qty
SPR1800 – APWA White (Proposed Excavation) SPR1801 – APWA Red (Electrical Lines) SPR1802 – APWA Orange (Communications Lines) SPR1804 – APWA Yellow (Gas, Oil, Steam, Petroleum) SPR1805 – APWA Blue (Potable Water) SPR1806 – APWA Green (Sewers and Drain Lines) SPR1891 – Orange Fluorescent SPR1895 – Pink Fluorescent	16 oz. Aerosol Can	1/12



All Purpose Marking Paint

This good, all purpose paint is an economically priced marking paint that is designed to provide a very cost effective approach to marking and still provides good visibility in the two-month range.

Item# & Color	Size	Qty
AERV1381 – APWA Red (Electrical Lines) AERV1382 – APWA Yellow (Gas, Oil, Steam, Petroleum) AERV1383 – APWA Blue (Potable Water) AERV1384 – APWA Green (Sewers and Drain Lines) AERV1385 – APWA Orange (Communications Lines) AERV1387 – APWA White (Proposed Excavation) AERV1392 – Yellow Fluorescent AERV1393 – Red Fluorescent AERV1395 – Red/Orange Fluorescent AERV1399 – Pink Fluorescent	20 oz. Aerosol Can	1/12

Gasket Makers



Permatex® Ultra Black ® Maximum Oil Resistance RTV Silicone Gasket Maker

OEM specified. For dealership warranty requirements, Ultra Black® ensures extended drive train warranty compliance. Fast-curing formula, sensor safe, low odor, noncorrosive. Meets performance specs of OE silicone gaskets. Retains high flexibility, oil resistant properties through use of patented adhesion system. Temperature range -65°F to 500°F (-54°C to 260°C) intermittent; resists auto and shop fluids and vibration. Suggested Applications: Valve covers, oil pans, intake manifold end seals, timing covers and differential covers.

Item #	Container Size	Qty
PER82180	3.35 oz. tube carded	1/12
PER85080	9.5 oz. PowerBead™ can	1/6
PER24105	13 oz. cartridge	1/12



Permatex® Ultra Copper ® Maximum Temperature RTV Silicone Gasket Maker

OEM specified. For high operating temperatures common in 4-cylinder, turbocharged or high performance engines. The most advanced, high temp RTV silicone gasket available. Sensor safe, low odor, noncorrosive and superior adhesion. Three times more oil resistant than conventional silicones; eight times more flexible than cut gaskets. Temperature range -65°F to 700°F (-54°C to 260°C) intermittent; resists auto and shop fluids and vibration. Suggested Applications: Exhaust manifolds/headers, valve covers, oil pans, timing covers, water pumps and thermostat housings.

Item #	Container Size	Qty
PER81878	3 oz. tube carded	1/12



Permatex® Ultra Grey ® Rigid High-Torque RTV Silicone Gasket Maker

OEM specified. Designed specifically for high-torque and vibration applications, like those common in import engines, this premium RTV gasket maker exceeds manufacturer's performance requirements. Non-corrosive and low odor. Maximum vibration resistance, with outstanding resistance to oils, cooling and shop fluids. Guaranteed not to leak. Temperature range -65°F to 500°F (-54°C to 260°C) intermittent. Suggested Applications: Valve covers, oil pans, transmission pans, intake manifold end seals, timing covers, water pumps and thermostat housings.

Item #	Container Size	Qty
PER82194	3.5 oz. tube carded	1/12
PER85084	9.5 oz. PowerBead™ can	1/6



Permatex® Sensor-Safe Blue RTV Silicone Gasket Maker

Will not foul oxygen sensors. Replaces almost any cut gasket that resist cracking, shrinking and migrating. Coats pre-cut gaskets to increase reliability. Temperature range -65°F to 500°F (-54°C to 260°C) intermittent, resists auto and shop fluids. Suggested Applications: Valve covers, oil pans, timing covers, water pumps and thermostat housings.

Item #	Container Size	Qty
PER80022	3.5 oz. tube carded	1/12
PER85860	7.25 oz. PowerBead™ can	1/6
PER80628	11 oz. cartridge	1/12



Permatex® Ultra Blue ® Multi-purpose RTV Silicone Gasket Maker

OEM specified. Sensor safe, low odor, noncorrosive changes. Outstanding oil resistance and joint movement tolerance. Eight times more flexible than cork/composite gaskets; three times more oil resistant than conventional silicones. Temperature range -65°F to 500°F (-54°C to 260°C) intermittent, resists auto and shop fluids and vibration. Suggested Applications: Valve covers, oil pans, timing covers and differential covers.

Item #	Container Size	Qty
PER81724	3.35oz. tube carded	1/12
PER85519	9.5 oz. PowerBead™ can	1/6



Permatex® High-Temp Red RTV Silicone Gasket Maker

OEM specified. Formulated for hi-temp applications, or heavy-duty use (such as towing, etc.). Replaces almost any cut gasket by making reliable "formed-in-place" gaskets that resist cracking, shrinking and migrating caused by thermal cycling. Coats pre-cut gaskets to increase reliability. Temperature range -65°F to 650°F (-54°C to 260°C) intermittent, resists auto and shop fluids and vibration. Suggested Applications: Valve covers, oil pans, timing covers, water pumps and thermostat housing.

Item #	Container Size	Qty
PER81160	3 oz. tube carded	1/12
PER85915	7.25 oz. PowerBead™ can	1/6
PER81409	11 oz. cartridge	1/12

Threadlockers/Sealants

Permatex® Medium Strength Threadlocker Blue



OEM specified. All-purpose, medium strength threadlocker. Ideal for all nut and bolt applications 1/4" to 3/4". Eliminates the need for stocking expensive lock nuts and lock washers. Locks and seals while preventing parts loosening due to vibration. Protects threads from corrosion. Removable with hand tools for easy disassembly. Conforms to ASTM D 5363 AN0321 (MIL-S-46163A, Type II, Grade N). Suggested Applications: Valve cover bolts, water pump bolts, oil pan bolts, drive shaft bolts, rocker arm adjustment nuts and carburetor studs..

Item #	Container Size	Qty
PER24200	6 ml tube, carded	1/12
PER24240	36 ml bottle, carded	1/6
PER24283	90 ml bottle	1/6

Permatex® Permanent Strength Threadlocker Red & Cup/Core Plug Sealant Retaining Compound



Dual Purpose. A permanent, high strength product that is applied to fasteners 3/8" to 1" in size before assembly. Designed for securing parts must withstand heavy shock, vibration, or extreme chemical or environmental conditions. Also, used for sealing and securing cylindrical metal assemblies. Localized heating and hand tools are required to separate parts. Conforms to ASTM D5363 AN0331 (MIL-S-46163A, Type II, Grade O). Suggested Applications: Assembly with air tools, cylinder block bolts, ring gear bolts, transmission shaft bolts; engine block cup and core plugs, water pump seals, hub and shaft assemblies.

Item #	Container Size	Qty
PER26240	36 ml bottle, carded	1/6

Permatex® High Strength Threadlocker Red



OEM specified. High strength threadlocker for heavy-duty applications 3/8" to 1". Especially well-suited for permanently locking studs and press fits. Adds 3,000 PSI holding power on slip and press fit assemblies.. Replaces set screws and snap rings. Locks against vibration loosening. May require heat or special tools for removal. Conforms to ASTM D5363 AN0221 (MIL-S-46163A, Type I, Grade K). Suggested Applications: Cylinder block and rocker arm studs, ring gear bolts and frame shock absorber bolts.

Item #	Container Size	Qty
PER27100	6 ml tube, carded	1/12
PER27140	36 ml bottle, carded	1/6
PER27183	90 ml bottle	1/6



Permatex® High Temperature Threadlocker Red

OEM specified. High temperature/high strength threadlocker for heavy-duty applications. Prevents bolts and press fits 3/8" to 1-1/2" from loosening due to shock, severe vibration and heat stress. Exclusive formulation for newer engines and high performance applications that require extreme temperature resistance. Suited for temperatures up to 450°F. Removable with heat and hand tools. Suggested Applications: Camshaft sprocket bolts, crankshaft bolts, idler bearings, press fit filler tubes, transmission input and output shaft threads, ring gear or shock bolts..

Item #	Container Size	Qty
PER27200	10 ml bottle, carded	1/12
PER27240	36 ml bottle, carded	1/6



Permatex® Penetrating Grade Threadlocker Green

OEM specified. A low viscosity threadlocking liquid that wicks along the threads of preassembled fasteners to secure them in place. Since it is applied after assembly, preventive maintenance procedures are simplified. Ideal for fasteners ranging from #2 to 1/2" in size. Localized heating and hand tools are needed for disassembly. Conforms to ASTM D5363 AN0261 (Mil-S-46163A, Type III, Grade R). Suggested Applications: Bolts on alternators, air conditioning belts and distributor clamps, carburetor adjustment screws and hairline cracks.

Item #	Container Size	Qty
PER29040	36 ml bottle, carded	1/6

Permatex® High Performance Thread Sealant

OEM specified. Formulated specifically for metal, tapered pipe thread fittings, it replaces Teflon® tape and pipe dopes. Cures rapidly to withstand up to 10,000 PSI. Prevents galling and protects mated threaded areas from rust and corrosion. Contains PTFE. Suggested Applications: Stainless steel fittings, head bolts into through holes, oil PSI sending units/sensors, oil and coolant lines, intake manifold switches, rear axle fill plug and fuel fittings.

Item #	Container Size	Qty
PER56521	50 ml bottle, carded	1/6

Gasket Maker/Sealants

**Permatex® Thread Sealant with PTFE**

Economical general-purpose fitting sealant. Out performs tapes and pipe dopes. Seals and resists pressure in air, oil, diesel fuel and hydraulic systems. Remains pliable at higher and lower temperatures. Temperature range -65°F to 300°F; resists common shop fluids. Suggested Applications: Air conditioning fitting, temperature sending fittings, and hydraulic fittings.

Item #	Container Size	Qty
PER80631	1 oz. tube, carded	1/12
PER80632	4 oz. can	1/12

**Permatex® PipeJoint Compound**

Universal sealant. Lubricates and seals threaded joints on water, oil and fuel lines. Temperature range -65°F to 400°F; resists common shop fluids. Suggested Applications: Thread fittings and plumbing applications.

Item #	Container Size	Qty
PER80045	16 oz. bottle	1/12

**Permatex® High Temperature Thread Sealant**

OEM specified. Locks and seals threaded fittings. Resists leakage, vibration loosening, moisture, hydraulic fluids and diesel fuels. Lubricates threads for easy assembly and disassembly. Won't shred or wear like Teflon® tape. Parts may be repositioned up to 4 hours after application. Temperature range -65°F to 400°F. Contains PTFE. Suggested Applications: Head bolts into through holes, oil PSI sending units and sensors, oil and coolant lines, fuel fittings, rear axle fill plug, brake and power steering fittings.

Item #	Container Size	Qty
PER59214	6 ml tube, carded	1/12
PER59235	50 ml tube, carded	1/12

**Permatex® Pneumatic/Hydraulic Sealant**

OEM specified. Designed for locking and sealing high pressure hydraulic and pneumatic systems. Contains no fillers or particles which could contaminate system fluids, foul valves, or clog fine filters and screens. Reliably cures on "as received" fasteners and controlled locking strength affords easy disassembly. Suggested Applications: Hydraulic line fittings, brake fittings, transmission fluid fittings and PTO fittings.

Item #	Container Size	Qty
PER54540	36 ml bottle, carded	1/6

**Permatex® Anaerobic Gasket Maker**

OEM specified. Noncorrosive gasketing material designed primarily for use on aluminum, iron, and steel flanged mating surfaces. Ideal for on-the-spot and emergency repairs, or when conventional gasket is unavailable. Fills gaps up to .015" and cures to a solvent-resistant seal that will not tear or decay during service. Parts disassemble easily even after extended service and old gasket material can be removed in minutes with a simple putty knife. Suggested Applications: Water pumps, thermostat housings, transmission pans, transmission case covers, transaxle casings and o-ring replacement.

Item #	Container Size	Qty
PER51813	50 ml bottle, carded	1/6

**Permatex® Anaerobic Flange Sealant**

Flexible, gasketing material for use on rigid machined flanges with less than .015" gap. OEM approved – use where OE's specify "anaerobic" gasket (cures in the absence of air). Withstands temperatures to 300°F. Eliminates preformed, pre-cut, paper, rubber and cork gaskets. Flexes with flanges that move in service. Suggested Applications: Water pumps, thermostat housings, transmission pans, transmission case covers, engine cases, timing covers, transaxle casings and o-ring replacement.

Item #	Container Size	Qty
PER51531	50 ml tube	1/10

Gasket Makers/Sealants



Permatex® Form-A-Gasket No. 1 Sealant

Fast-drying, non-hardening brush-top sealant approved for use in aviation as well as automotive applications. Temperatures range -65°F to 400°F; resists gasoline, oil and grease. Suggested Applications: Close-fitting machined surfaces, sealing hoses and solid gaskets.

Item #	Container Size	Qty
PER80008	3 oz. tube, carded	1/12



Permatex® Form-A-Gasket No. 2 Sealant

Slow-drying, non-hardening sealant designed for sealing cut gaskets and stamped parts. Allows for easy disassembly if required. Temperature range -65°F to 400°F; resists common shop fluids and fuels. Use where sealing is more important than adhesion. Suggested Applications: Valve cover gaskets and oil pan gaskets

Item #	Container Size	Qty
PER80016	3 oz. tube, carded	1/12



Permatex® High Tack™ Gasket Sealant and High Tack™ Spray-A-Gasket® Sealant

Fast-drying all-purpose sealant dries to highly tacky, non-brittle film. A reliable general adhesive. Remains effective at temperatures of -65°F to 500°F; resists gasoline, oil, antifreeze, axle lube, kerosene, propane and butane. Suggested Applications: Valve covers, fuel pumps, carburetors, manifold gaskets; Spray-A-Gasket® seals all felt, cork, metal, paper and rubber.

Item #	Container Size	Qty
PER80062	4 oz. brush-top can	1/12
PER80063	16 oz. brush-top can	1/12
PER80065	12 oz. aerosol	1/12



Permatex® Super High Tack™ Gasket Sealant

Fast-drying sealant works like a contact adhesive. Temperature range -65°F to 500°F; resists gasoline, oil, antifreeze and axle lube. Suggested Applications: Seals rubber, cork, paper and composite gaskets and hose connections.

Item #	Container Size	Qty
PER80060	1.75 oz. tube, carded	1/12



Permatex® Copper Spray-A-Gasket® Hi-Temp Sealant

Fast-drying, metallic copper sealant helps dissipate heat, prevents gasket burnout and improves heat transfer. Fills minor surface irregularities. Seals instantly. Fills hot spots and surface imperfections. Temperature range -50°F to 500°F; resists all types of automotive fluids, especially gasoline. Suggested Applications: Cylinder head gaskets, carburetor gaskets, exhaust manifold gaskets and other high temperature applications.

Item #	Container Size	Qty
PER80697	12 oz. aerosol	1/12



Permatex® Aviation Form-A-Gasket® No. 3 Sealant Liquid

Slow-drying, non-hardening brush-top sealant approved for use in aviation as well as automotive applications. Temperature range -65°F to 400°F; resists gasoline, oil and grease. Suggested Applications: Close-fitting machined surfaces, sealing hose and solid gaskets.

Item #	Container Size	Qty
PER80017	16 oz. bottle	1/12
PER80019	4 oz. bottle	1/12

RTV Sealants



Bondaflex® General Purpose & Heat Resistant RTV Silicone Sealant

Excellent weather resistance does not crack shrink or chalk. Well suited for non-porous materials like glass, metals and some plastics with $\pm 25\%$ movement capability. Excellent flexibility for dynamic joint movement & dissimilar materials. Bonds to most substrates without priming and moves assembled or sealed parts quickly. General Purpose maintains elastomeric properties up to 450°F while heat resistant RTV silicone maintains elastomeric properties up to 600°F. Meets the requirements of ASTM C-920, Type S, Grade NS, Class 25.

Where to Use:

Construction Applications

- Sealing & glazing of windows, doors and skylights
- Conventional glazing
- Countertops
- Sanitary seals
- Kitchen & bath
- HVAC
- Plumbing
- Roofing

Industrial Applications

- Heating and refrigeration units
- Sealing trucks, trailers and RVs
- Marine cabins
- Appliance Trim

Substrate

- Glass, aluminum, tile, fiberglass, plastic, ceramic, wood, steel and painted metals

Item# & Color	Size	Qty
ACC1001 – Clear RTV Silicone ACC1002 – White RTV Silicone ACC1005 – Black RTV Silicone ACC1007 – Aluminum RTV Silicone ACC1010 – Grey RTV Silicone	10.3 oz cartridge	1/12
Heat Resistant RTV Silicone		
ACC1013 – Red High Temp RTV Silicone	10.3oz cartridge	1/12



Bondaflex® Polyurethane Fast Cure Sealant/Adhesive

Excellent adhesion, fast curing, paintable and sandable. Provides shock resistance and is resistant to road salts. Excellent flexibility for dynamic joint movement & has a low dirt pick-up. Bonds to most substrates without priming and ideal for vehicular applications. Service temperature -40°F to 180°F. Meets the requirements of ASTM C-920, Type S, Grade NS, Class 25.

Where to Use:

Construction Applications

- Perimeter sealing of windows, doors and skylights
- Expansion Joints
- Parapets/flashing/fascia
- Precast/tilt-up
- Curtain wall internal joints

Industrial Applications

- Lap seams
- Subfloor to metal
- Sealing rivets/fastener heads
- Bonding door gaskets
- Body to cab joints

OEM

- Auto/truck/trailer/bus/train
- RV
- HVAC

Substrate

- Concrete, masonry, brick, aluminum, wood, steel, extruded PVC, FRP, SMC, RIM, galvanized, aluminized steel, many plastics and composites, painted metals, glass and natural stones

Item# & Color	Size	Qty
ACCF401 – Gray Polyurethane Fast Cure Sealant/ Adhesive ACCF402 – White Polyurethane Fast Cure Sealant/ Adhesive ACCF405 – Black Polyurethane Fast Cure Sealant/ Adhesive	10.1 oz cartridge	1/12

Adhesive/ Sealants



Permatex® Black Silicone Adhesive Sealant

General purpose, low odor, black RTV indoor/outdoor sealant. Seals, bonds, repairs, mends and secures glass, metal, plastics, fabric, vinyl, weather stripping and vinyl tops. Protects and repairs electrical wiring. May be applied to horizontal or vertical surfaces. Waterproof and flexible. Temperature range -75°F to 400°F. Suggested Applications: Windshields, door frames, electrical connections, seams and roofs, vinyl tops and weather stripping.

Item #	Container Size	Qty
PER81158	3 oz. tube, carded	1/12
PER81173	11 oz. cartridge	1/12



Permatex® Black Silicone Adhesive Sealant

High-strength, ready-to-use automotive sealant insulates, seals and caulks. Does not dry out or become brittle. Economical black sealant. Suggested Applications: Weather stripping, door/window glass and electrical connections.

Item #	Container Size	Qty
PER80338	1.5 oz. tube, carded	1/12



Permatex® Black Super Weatherstrip Adhesive

A professional, black weatherstrip adhesive that blends with automotive weather stripping for less clean-up. Withstands temperature extremes. Resistant to gasoline, kerosene, antifreeze and most solvents. Permanently bonds automotive weather stripping. Binds automotive gaskets. Suggested Applications: Cut gaskets, door and trunk moldings.

Item #	Container Size	Qty
PER81850	5 oz. tube, boxed	1/12



Permatex® Flowable Silicone Windshield & Glass Sealer

Wicking action silicone "seeks the leak". Flows into hidden and hard to reach areas. Forms a tough, waterproof, durable, clear seal that is resistant to weather, extreme temperatures, vibration, shock and most shop chemicals. Fills surface voids and irregularities. Temperature range -80°F to 400°F. Suggested Applications: Windshields, sunroofs, windows, headlamp assemblies, marine glass and RV vents

Item #	Container Size	Qty
PER81730	1.5 oz. tube, carded	1/12



Permatex® Weatherstrip Cement

A translucent all-purpose cement and sealer that bonds in minutes and dries to a tough, strong bond. Waterproof and durable. It provides a flexible, vibration resistant bond that adheres rubber to glass and metal. Suggested Applications: Bonds glass, door /windshield weather stripping, rubber and metal.

Item #	Container Size	Qty
PER80328	2 oz. tube, carded	1/12



Permatex® Clear RTV Silicone Adhesive Sealant

General purpose, clear RTV indoor/outdoor sealant. Seals, bonds, repairs, mends and secures glass, metal, plastics, fabric, vinyl, weather stripping and vinyl tops. Protects and repairs electrical wiring. May be applied to horizontal or vertical surfaces. Waterproof and flexible. Temperature range -75°F to 400°F. Suggested Applications: Windshields, door frames, electrical connections, vinyl tops, seams and roofs.

Item #	Container Size	Qty
PER80050	3 oz. tube, carded	1/12
PER80855	11 oz. cartridge	1/12
PER81913	7.25 oz. Automotive Tube®	1/12
PER85913	7.25 oz. PowerBead™ can	1/6



Permatex® Super Weatherstrip Adhesive

A superior adhesive ideal for many applications including rubber, metal and automotive gaskets. Allows for repositioning pasts after contact is made. Withstands temperature extremes. Waterproof. Resistant to gasoline, kerosene, antifreeze and most solvents. Suggested Applications: All types of weather stripping and door/window moldings.

Item #	Container Size	Qty
PER81731	5 oz. tube, carded	1/12
PER80638	2 oz. tube, carded	1/12

Speciality Lubricants

Permatex® Copper Anti-Seize Lubricant

A highly refined blend of aluminum, copper and graphite lubricants. Use during assembly to prevent galling, corrosion and seizing due to weathering or chemicals. Anti-Seize assures easier disassembly. Temperature range is between -60°F to 1600°F. Is ideal for marine use. Non-aerosol version meets Mil Spec #907E. Suggested Applications: For easy removal of spark plugs, cylinder head and exhaust head bolts; apply to anchor pins on brake assemblies, u-bolts and spring bolts, hinges, gears, chain sprockets and rollers.



Item #	Container Size	Qty
PER81343	1 oz. tube, carded	1/12
PER80071	4 oz. brush-top bottle	1/12
PER80078	8 oz. brush-top bottle	1/12
PER81464	12 oz. aerosol can	1/12
PER80208	16 oz. brush top bottle	1/12

Permatex® Copper Anti-Seize Lubricant

A premium quality copper anti-seize and thread lubricant that may be used to prevent seizing, corrosion and galling where high temperature conditions exist. Contains a high percentage of micro-fine copper flakes in a semi-synthetic grease carrier and is fortified with high quality rust and corrosion inhibitors. Temperature range is between -30°F to 1800°F. Provides good electrical conductivity. Meets Mil Spec #907E. Suggested Applications: Spark plug threads installed in aluminum, exhaust manifold bolts, engine bolts, oxygen bolts, oxygen sensors, knock sensors, thermostat housing bolts, and fuel filter fittings.



Item #	Container Size	Qty
PER31163	8 oz. brush-top bottle	1/12
PER09128	16 oz. brush top bottle	1/6

Permatex® Nickel Anti-Seize Lubricant

Protects metal parts from seizing and galling at temperatures up to 2400°F. It is recommended where copper contamination must be avoided, under conditions of extreme pressure and temperature, and with stainless steel, titanium and nickel alloys. Suggested Applications: Exhaust manifold bolts, exhaust system bolts, muffler clamps and tailpipe assemblies.



Item #	Container Size	Qty
PER77124	8 oz. brush-top bottle	1/12
PER77164	16 oz. brush top bottle	1/10

Permatex® Ultra Disc Brake Caliper Lube

An environmentally-friendly, green, non-melting, synthetic lubricant. It is formulated to lubricate under the most the most adverse brake conditions, assuring that critical caliper pins, sleeves, bushings and pistons remain lubricated throughout pad life. Suggested Applications: Caliper pins, sleeves, bushings and pistons.



Item #	Container Size	Qty
PER24110	8 oz. brush-top bottle	1/6



Permatex® Disc Brake Quiet

Stops brake squeal by dampening vibration at caliper/brake pad interface. Provides tighter fit and allows for easier disassembly. Protects against corrosion. Compatible with anti-lock brake systems. This product contains an elastomeric polymer for use with brake pads no having anti-squeal shims. Suggested Applications: Automotive disc brakes, outboard and indoor pads for disc braking systems, disc brake pads without anti-squeal shims.

Item #	Container Size	Qty
PER80729	(2) .25 oz. pouch, carded	1/12
PER80077	12 oz. aerosol can	1/12



Permatex® Dielectric Tune-Up Grease

Protects electrical connections and wiring from salt, dirt and corrosion. Extends the life of bulb sockets. Prevents voltage leakage around any electrical connection. Also, prevents spark plugs from fusing to boots. Required for modern high energy ignition systems. Suggested Applications: Marine and automotive electrical connections, spark plug boots, and trailer hitches.

Item #	Container Size	Qty
PER81150	.33 oz. tube, carded	1/12
PER22058	3 oz. tube, carded	1/6

Permatex® Silk-Pak® 5th Wheel Grease

Premeasured grease comes in a handy pouch, requires no tools, and creates no mess. Graphite lubricant designed for heavy duty applications and effective at extreme temperatures and environment conditions. Suggested Applications: All Fifth Wheel applications, sliding and oscillating to all vehicle types

Item #	Container Size	Qty
PER01010	2 oz. pouch	10/60

Bostik® NEVER •SEEZ
Pure Nickel Special Components

Excellent heat dispersing qualities. Prevents galling on steel-to-stainless, titanium, magnesium and other hard metals. Temperature range is between -297°F to 2,400°F. Applications: Fittings exposed to high temps; stainless steel pipe fittings; flanges; pump fittings; fasteners in exhaust manifolds & boilers and steam generators.



Item #	Container Size	Qty
BOST-NSBT-8N	8 oz. brush-top bottle	1/12

Bostik® NEVER •SEEZ
Regular Grade Components

Protects against rust, corrosion, carbon fusion and seizure at high temperatures. Keeps parts working longer with less wear, and enables faster disassembly when repairs are needed. Temperature range is between -297°F to 1,800°F.



Item #	Container Size	Qty
BOST-NS-168	8 lb. flat top can	1/12
BOST-NSA-16	16 oz. aerosol can	1/12
BOST-NSBT-16	1 lb. brush-top can	1/4
BOST-NSBT-8	8 oz. brush-top can	1/12
BOST-NSBT-4	4 oz. brush-top can	1/12

Hand Cleaner



Permatex® Fast Orange® - Fine Pumice and Smooth Lotion Hand Cleaner

This biodegradable, waterless, petroleum solvent-free hand cleaner that contains no harsh chemicals, petroleum solvents or ammonia that can sting cuts and abrasions. Pure, fresh-smelling natural citrus power does the cleaning. Fortified with aloe, lanolin, glycerin, and other skin conditioners. Fine Pumice or Smooth Formula gently deep cleans the toughest dirt. Works great on laundry stains, scuff marks, tile floor, pet odors and many other household cleaning needs. Suggested Applications: Resins, oil, grease, tar, grime, soil, printers' ink, epoxies, paint, rubber cement, gasket and tile cements.

Item #	Container Size	Qty
PER23116	smooth, 7.5 oz. bottle	1/6
PER23218	smooth, 1 gal. bottle w/ pump	1/4
PER23104	smooth, 1 gal. flat-top bottle	1/4
PER25116	pumice, 15oz. squeeze bottle	1/12
PER25217	pumice, 1/2 gal. bottle w/ pump	1/6
PER25219	pumice, 1 gal. bottle w/ pump	1/4
PER25104	pumice, 1 gal. flat-top bottle	1/4



Permatex® Fast Orange® Hand Cleaner Wipes

Removes the toughest grease, tar, grime, ink, paints, sealants, adhesives and other difficult soils. Each pre-moistened wipe has a textured surface on one side that is ideal for cleaning heavy duty soils from hands, tools, and work areas. The wipes also have a smooth side for general purpose cleaning. Suggested Applications: Removes grease, grime, oils, soil, gasket cement, glue and inks.

Item #	Container Size	Qty
PER25072	72-count bucket, wipes	1/6



GOJO® Original Formula™ Hand Cleaner

GOJO Original Formula crème contains lanolin and soothing emollients. For removing heavy grease, tar and oil. Rub, then wipe clean with towel or rinse off.

Item #	Container Size	Qty
GOJO-1115	4.5 lb plastic cartridge	1/6
GOJO-1204	Black Cartridge Dispenser	1



GOJO® Fine Italian Pumice Hand Cleaner

Crème formula is best suited for removing grease, tar and oil. Rub, then wipe clean with a towel or rinse off. No harsh solvents.

Item #	Container Size	Qty
GOJO-1135	4 lb plastic cartridge	1/6
GOJO-1204	Black Cartridge Dispenser	1



GOJO® Lemon Hand Cleaner

Crème formula with a fresh lemon fragrance. Used for removing grease, tar, and oil. Rub, then wipe clean with a towel or rinse off.

Item #	Container Size	Qty
GOJO-0905	4.5 lb plastic cartridge	1/6
GOJO-0903	22 oz. self-dispensing tube	1/6



GOJO® Supro Max™ Hand Cleaner

Fast and effective lotion hand cleaner removes tough or sticky soils and adhesives. Unique blend of cleaners, skin conditioners and gentle scrubbers. Ideal for plant-wide use, body shops or wherever difficult soils or wherever difficult solids are found. Apply to dry hands, then rinse. Non-drying formula.

Item #	Container Size	Qty
GOJO-7272	PRO™ 2000 ml	1/4
GOJO-7200	2000 ml Black Dispenser	1
GOJO-7205	2000 ml White Dispenser	1



GOJO® Lemon Pumice Hand Cleaner

Crème formula with a fresh lemon fragrance and pumice scrubbers. Used for removing grease, tar, and oil. Can be used with or without water.

Item #	Container Size	Qty
GOJO-0915	4.5 lb plastic cartridge	1/6
GOJO-0913	22 oz. self-dispensing tube	1/6
GOJO-0912	18 oz. plastic cartridge	1/6



GOJO Power Gold® Hand Cleaner

A highly effective, fast-acting hand cleaner for removing the heaviest grease, tar and oil. No harsh solvents. Contains natural, non-irritating scrubbing particles. Apply to dry hands, then rinse or wipe off.

Item #	Container Size	Qty
GOJO-7295	PRO™ 2000 ml	1
GOJO-7200	2000 ml Black Dispenser	1
GOJO-7205	2000 ml White Dispenser	1



GOJO® Orange Smooth Hand Cleaner

Crème formula with orange citrus ingredients. Used for removing grease, tar, and oil. Can be used with or without water. Rub, then wipe clean with a towel or rinse off.

Item #	Container Size	Qty
GOJO-0965	4.5 lb plastic cartridge	1/6
GOJO-1204	Black Cartridge Dispenser	1

Hand Cleaner (continued)



GOJO® Orange Pumice Hand Cleaner

Crème formula with orange citrus ingredients and natural pumice scrubbers. Used for removing grease, tar, and oil. Can be used with or without water.

Item #	Container Size	Qty
GOJO-0975	4.5 lb plastic cartridge	1/6
GOJO-1204	Black Cartridge Dispenser	1



GOJO® Natural Orange™ Pumice Hand Cleaner

Quick-acting lotion formula with pumice scrubbing particles for cleaning a broad range of industrial soils, medium dirt and grease. Contains baby oil. Orange citrus scent.

Item #	Container Size	Qty
GOJO-7556	PRO™ 5000ml	1/6
GOJO-7255	PRO™ 2000ml	1/6
GOJO-0955	1 gal w/ pump dispenser	1/4
GOJO-7200	Black Dispenser	1
GOJO-7205	White Dispenser	1



GOJO® Natural Orange™ Smooth Hand Cleaner

Quick-acting lotion formula used for cleaning a broad range of industrial soils, medium dirt and grease. Contains baby oil. Orange citrus scent.

Item #	Container Size	Qty
GOJO-0945	1 gal w/ pump dispenser	1/4



GOJO MULTI GREEN® Hand Cleaner

A popular multi-purpose hand cleaner for removing light to medium industrial soils and dirt. Contains a natural citrus solvent cleaner with non-abrading scrubbing particles.

Item #	Container Size	Qty
GOJO-7565	PRO™ 5000ml	1/2
GOJO-7265	PRO™ 2000ml	1/4
GOJO-7200	2000 ml Black Dispenser	1
GOJO-7205	2000 ml White Dispenser	1
GOJO-7500	5000 ml Black Dispenser	1



GOJO FAST WIPES® Hand Cleaning Towels

Hand-cleaning towels. For quick clean-up of light greases and oils. For use in service vehicles, on the workbench, at the job site and wherever water is not available

Item #	Container Size	Qty
GOJO-6298	130 Count Bucket	1/6



GOJO® Scrubbing Wipes

GOJO Scrubbing Wipes are made of a durable, dual textured material pre-moistened with a GOJO heavy duty cleaning solution. Dual textured with a scrubbing side for removing tough soils and a smooth side for quick dirt absorption. Extra large wipes for superior cleaning capacity. Contains skin conditioners to help prevent dryness and irritation. Quickly removes: Tar, asphalt, dirt, ink, paint, oils, grease, lubricants, sealants, epoxies, adhesives, caulks and polyurethane/urethane. For use anywhere heavy duty cleaning is required; no water needed.

Item #	Container Size	Qty
GOJO-6383	25 Count Canister	1/6
GOJO-6396	75 Count Canister	1/6
GOJO-6398	170 Count Bucket	1/2



CRC® Mechanix Orange™ Citrus Lotion Hand Cleaners with Pumice

Contains no harsh solvents. This biodegradable formula quickly and effectively removes the toughest soil. Fortified with pumice for deep cleaning power. Conditions skin to leave hands feeling clean and fresh.

Item #	Container Size	Qty
CRCSL1712	16 oz. bottle	1/6

CHEMICALS

Towels



ITW Dymon Scrubs® Hand Cleaner Towels

Proven way to clean your hands away from the sink. Dual-textured towels lock in dirt & will not transfer soils back into hands. Leaves your hands clean, no rinsing necessary. Removes dirt, grease, adhesive, ink, oil, paint, sealant, lubricants, tar, urethanes, epoxies and caulk. Applications: Tools, equipment, metals, vinyl, work surfaces, painted surfaces, plastics and composites.

Item #	Container Size	Qty
PPM-DYC42230	30 per container	1/6
PPM-DYC42272	72 per bucket	1/6



Scott® Shop Towels

Ideal for changing oil, refilling, fluids, and general automotive maintenance. Strong, absorbent towels are great for wiping hands, tools, and cleaning up grease, oil, grime and fluids. Works when wet!

Pop-Up box with a built in handle allows you to take the box o the job while keeping rags clean.

Item #	Container Size	Qty
KIM-75190	200 sheets per box	1/8



Kimberly Clark® Wypall® X80 Wipers

Designed for the toughest jobs. Pound for pound, absorbs more water and oil than rental shop towels. Ideal for heavy-duty machine and part wiping and prepping surfaces with solvents.

Item #	Container Size	Qty
KIM-41055	Jumbo Red Towels (475 towels per roll)	1 roll
KIM-41029	Quaterfold Red Towels (50 towels per pack)	1 /4



Kimberly Clark® Wypall® X70 Wipers

Designed to tackle heavy-duty industrial jobs usually handled by cloth rags. These wipers have a long lasting performance that extends usage and reduces waste.

Item #	Container Size	Qty
KIM-41600	White Jumbo Rolls (870 wipers per roll)	1 roll
KIM-41611	Blue Jumbo Rolls (870 wipers per roll)	1 roll



Wypall® X70 Workhorse® Rags

1-ply, durable, absorbent rags that stay strong for better cleaning performance. Cleans oil, grime and solvents. Made with our high-tech Hydroknit® Fast Absorbing Material that is reuseable and has a long lasting performance.

Item #	Container Size	Qty
KIM-41412	Pop-Up®Box (100 per box)	1 box



Scott® Rags in-a-box

Ideal for painting, wiping up spills, staining and refinishing furniture. Soft, absorbent towels that perform like a cloth. Multi-purpose for thousands of projects. Pop-Up box with built in handle allows you to take the product to the job while keeping rags clean.

Item #	Container Size	Qty
KIM-75260	200 towels per box	1/8



Scott® 1-Ply Towels

Designed primarily for hand drying in washrooms when combined with the appropriate dispenser. Reliable quality, softness and absorbency. Meets EPA standards for minimum post-consumer waste.

Item #	Container Size	Qty
KIM-02021	Natural, 400 ft per roll	1/12



Wypall® Jumbo Wiper Dispensers

Features efficient dispensing that reduces waste and has a trash bag attachment.

Item #	Container Size	Qty
KIM-80579	Black Wall Mount	1
KIM-80595	Blue Portable Dispenser	1

Sorbents

3M™ Maintenance Sorbents

Specially treated to absorb most shop fluids including motor oils, transmission fluids, gear oils and anti-freeze solutions. Reduces overall costs of liquid cleanup and disposal. Packaged in gray pads, rolls and booms.



Item #	Container Size	Qty
3M7164	15-1/2" X 20-1/2" Pad (100 per box)	1
3M7166	15-1/2" X 150' Pad (1 per box)	1
3M7168	3" X 8' Boom (6 per box)	1
3M7169	22" Diameter Drum Cover (25 per box)	1

3M™ Folded Sorbents

Four sorbents in one; boom, pillow, pad or roll. Handy dispenser box for easy, onsite use. Perforations every 16 inches allows you to select required length. 3M's high-volume sorbent technology.



Item #	Container Size	Qty
3M7172	Gray Maintenance Sorbent (Folded - 5" X 150')	1
3M7173	White Petroleum Sorbent (Folded - 5" X 150')	1

GPT™ Sorbents

General purpose maintenance pads can be used to clean virtually any liquid. Constructed of high quality dimpled universal polypropylene. Gray in color to help hide dirt. 1-ply pad.



Item #	Container Size	Qty
SORB-GP500	15" X 19" Economy Pad (100 per box)	1
SORB-GP100	15" X 19" Heavy Duty Pad (100 per box)	1

Env™ Oil Sorbents – Contractor Grade

Ideal for environmental applications. They are comprised of the best available basic meltblown polypropylene. ENV Oil Sorbents are packed in distinctive green bags and are the obvious choice when you need low cost plus, high performance. For use with oil and petroleum based fluids.



Item #	Container Size	Qty
SORB-ENV300	15" X 19" Economy (100 per bale)	1

PolySafe Sorbent Pads

Gray medium weight universal general purpose absorbent pads. This popular choice for absorbing both oil, coolants, solvents or water..



Item #	Container Size	Qty
SORB-PLU254	15" X 19" Gray Pads (100 per box)	1

SPC Portable Spill Kit

Used for oil, water based and chemical spills. Kit includes: nitrile gloves; (1) disposal bag; instruction sheet; (10) 15" X 19" Pads; (2) 3" X 4" SOC's and a high visible yellow PVC bag is "just right" for small spills. Also, absorbs up to 5 gallons.



Item #	Container Size	Qty
SORB-SKA-PP	Spill Kit	1

SPC Attack Pac Kit

Used for oil, water based and chemical spills. Kit includes: nitrile gloves; (1) disposal bag; instruction sheet; (15) 15" X 19" Pads; (3) 3" X 4" SOC's and goggles. Efficient, space saving, single use kit is packed in a puncture and UV resistant foil bag. Also, absorbs up to 7 gallons.



Item #	Container Size	Qty
SORB-SKA-ATK	Attack Pac Kit	1

Absorbs • It® Floor Dry

All-purpose absorbent.. Ideal for oil and grease spills. This clay absorbent undergoes a superior moisture extraction process that increases absorption power and minimizes dust. 50 bags per skid.



Item #	Container Size	Qty
FLOX40	Floor Dry/ 40 lb. bag	1

Spill Containment

Modular Spill Platform System

Bring Flexibility To Your Storage Area!!

These platforms can be arranged in an endless number of configurations. The modular platforms feature a low profile for easier loading and unloading and are compatible with Eagles's 1689 ramp. These units have a 30 gallon spill capacity per 2 drum side, use blow molded high density polyethylene construction for superior

Ideal for Incidental Spills from Drums, containers & batteries

Strength and feature Eagle's patented removable poly grating.

Each 2 drum unit includes one 2' U-channel connector to join units.

2 & 4 Drum Budget Basins Add low cost spill protection to your work place with our budget basins. Drums rest on the floor of the sump with a 6 1/2" high side-wall.



Item #	Container Size	Qty
EAG-1634	4 Drum Spill Containment Platform (52-1/2" X 51-1/2" X 6-1/2")	1



Item #	Container Size	Qty
EAG-1633	1 Drum Spill Containment Platform (26" X 26" X 6 1/2")	1



Item #	Container Size	Qty
EAG-1634	4 Drum Spill Containment Platform (52-1/2" X 51-1/2" X 6-1/2")	1



Item #	Container Size	Qty
EAG-1632	2 Drum Spill Containment Platform (26-1/4" X 51-1/2" X 6-1/2")	1



Item #	Container Size	Qty
EAG-1613	35-3/4" X 42" Drum Bogie (1,250lb Load Capacity)	1



Item #	Container Size	Qty
EAG-1612	Single Drum Containment Unit (65 Gallon Spill Capacity)	1

Spill Containment

Hand Protection

String Knit Gloves

Item #	Description	Qty
GLOV-9500LDL	Cotton / Polyester Blend Large Multi-Purpose String Knit Gloves	1/12

Coated String Knit Gloves

Item #	Description	Qty
GLOV-9650L	Cotton / Polyester Blend Large Two Sided PVC Dotted Knit Gloves	1/12

Blue Latex Dipped Gloves

Item #	Description	Qty
GLOV-9682L	Blue Latex Palm & Finger Dipped Large Gloves	1/12

Cotton Jersey Gloves

Item #	Description	Qty
GLOV-7100L	Brown Jersey Clute Pattern Large Gloves	1/12

Red Lined Jersey Gloves

Item #	Description	Qty
GLOV-7900L	Red Lined Jersey Gunn Pattern Straight Thumb Large Gloves	1/12

Cotton Canvas Gloves

Item #	Description	Qty
GLOV-8100C	White Cotton Canvas Clute Pattern Straight Thumb Large Gloves	1/12

Rubberized Safety Cuff Gloves

Item #	Description	Qty
GLOV-1200L	Red Gray Stripe Fabric Back Rubberized Safety Cuff Large Gloves	1/12

1300 Series Safety Cuff Gloves

Item #	Description	Qty
GLOV-1300L	Blue Fabric with Red Stripe Safety Cuff Large Gloves	1/12
GLOV-1320L	Blue Fabric with Red Stripe Thinsulated® -Lined Safety Cuff Large Gloves	1/12

Hand Protection (continued)

1350 Series Safety Cuff Gloves

Item #	Description	Qty
GLOV-1350L	Green Fabric with Pink Stripe 2 ½" Safety Cuff Large Gloves	1/12
GLOV-1360L	Green Fabric with Pink Stripe 4 ½" Gauntlet Cuff Large Gloves	1/12
GLOV-1362L	Double Leather Palm 4 ½" Gauntlet Cuff Large Gloves	1/12
GLOV-1380L	Full Leather Back 4 ½" Gauntlet Cuff Large Gloves	1/12

1400 Series Safety Cuff Gloves

Item #	Description	Qty
GLOV-1400L	Select Shoulder 2 ½" Duck Cuff Large Gloves	1/12
GLOV-1400XL	Select Shoulder 2 ½" Duck Cuff X- Large Gloves	1/12

Welders Gloves

Item #	Description	Qty
GLOV-4700L	Mustang™ Premium Select Side Leather Wing Thumb Large Welders Gloves	1/12

Cotton Canvas Shell Gloves

Item #	Description	Qty
GLOV-6800L	TUFFTEX Grip-it Yellow Coated Rubberized Safety Cuff Large Gloves	1/12

Neoprene Gloves

Item #	Description	Qty
GLOV-6922L	Jack Black® Interlock Lining 12" Gauntlet Large Gloves	1/12

Double Dipped PVC Gloves

Item #	Description	Qty
GLOV-6710F	Double Dipped PVC Foam Lined and Fully Coated Knit Wrist Orange Fluorescent Safety Cuff Large Gloves	1/12

Single Dipped PVC Gloves

Item #	Description	Qty
GLOV-6702FL	Single Dipped PVC Foam Lined Knit Wrist Large Gloves	1/12
GLOV-6710FSL	Single Dipped PVC Foam Lined Safety Cuff Large Gloves	1/12
GLOV-6712FL	Single Dipped PVC Foam Lined 12" Gauntlet Large Gloves	1/12

Hand Protection (continued)**Premium Double Dipped PVC Gloves**

Item #	Description	Qty
GLOV-6412L	Double Dipped PVC Sandy Finish Jersey Lining 12" Gauntlet Large Gloves	1/12

**Economy Double Dipped PVC Gloves**

Item #	Description	Qty
GLOV-6500SL	Double Dipped PVC Textured Finish Interlock Lined Knit Wrist Large Gloves	1/12
GLOV-6500SJL	Double Dipped PVC Jersey Lined Knit Wrist Large Gloves	1/12
GLOV-6512SJL	Double Dipped PVC Jersey Lined 12" Gauntlet Large Gloves	1/12

**Nitrile Fully Coated Gloves**

Item #	Description	Qty
GLOV-9751L	Nitrile Fully Coated Knit Wrist Large Gloves	1/12
GLOV-9770L	Nitrile Fully Coated 2 ½" Safety Cuff Foam Lined Large Gloves	1/12

**Nitrile Palm Coated Gloves**

Item #	Description	Qty
GLOV-9750L	Nitrile Palm Coated Knit Wrist Large Gloves	1/12

**Extra Rough Nitrile Coated Gloves**

Item #	Description	Qty
GLOV-9761L	Extra Rough Nitrile Coating Fully Coated 2 ½" Safety Cuff Large Gloves	1/12

**Predatouch® Gloves**

Item #	Description	Qty
GLOV-9790RL	Predatouch® Palm Coated Knit Wrist Large Gloves	1/12

**Cow Split Leather Gloves**

Item #	Description	Qty
GLOV-3100M	Premium Cow Split Leather Straight Thumb Medium Gloves	1/12
GLOV-3100L	Premium Cow Split Leather Straight Thumb Large Gloves	1/12
GLOV-3100XL	Premium Cow Split Leather Straight Thumb X-Large Gloves	1/12

Hand Protection (continued)

Grain Leather Insulated Drivers Gloves

Item #	Description	Qty
GLOV-3250M	Premium Grade Grain Cow Straight Thumb Foam Lined Medium Gloves	1/12
GLOV-3250L	Premium Grade Grain Cow Straight Thumb Foam Lined Large Gloves	1/12
GLOV-3250XL	Premium Grade Grain Cow Straight Thumb Foam Lined X-Large Gloves	1/12

Jersey Lined Leather Insulated Drivers Gloves

Item #	Description	Qty
GLOV-3150M	Premium Grade Split Cow Straight Thumb Jersey Lined Medium Gloves	1/12
GLOV-3150L	Premium Grade Split Cow Straight Thumb Jersey Lined Large Gloves	1/12
GLOV-3150XL	Premium Grade Split Cow Straight Thumb Jersey Lined X-Large Gloves	1/12

Straight Thumb Unlined Drivers Gloves

Item #	Description	Qty
GLOV-3201M	Straight Thumb Unlined Regular Grade Medium Gloves	1/12
GLOV-3201L	Straight Thumb Unlined Regular Grade Large Gloves	1/12
GLOV-3201XL	Straight Thumb Unlined Regular Grade X-Large Gloves	1/12

Premium Grain Pigskin Drivers Gloves

Item #	Description	Qty
GLOV-3410M	Premium Grain Pigskin Straight Thumb Medium Gloves	1/12
GLOV-3410L	Premium Grain Pigskin Straight Thumb Large Gloves	1/12
GLOV-3410XL	Premium Grain Pigskin Straight Thumb X-Large Gloves	1/12

Industry Grain Pigskin Drivers Gloves

Item #	Description	Qty
GLOV-3400M	Industry Grain Pigskin Straight Thumb Medium Gloves	1/12
GLOV-3400L	Industry Grain Pigskin Straight Thumb Large Gloves	1/12
GLOV-3400XL	Industry Grain Pigskin Straight Thumb X-Large Gloves	1/12

Hand Protection (continued)

Derma Care® Gloves

- ❖ Latex-free formulation. Lightly powdered for easy donning and has smooth finish. Standard Package: 100 gloves per box.



Item #	Description	Qty
GLOV-MFDC-400M	Vinyl Lightly Powdered Standard Cuff Medium Gloves	1/10
GLOV-MFDC-400L	Vinyl Lightly Powdered Standard Cuff Large Gloves	1/10
GLOV-MFDC-400XL	Vinyl Lightly Powdered Standard Cuff X-Large Gloves	1/10

Mirco One® Gloves

- ❖ Lightly powdered with USP absorbable cornstarch for easy donning. Smooth surface for excellent tactile sensitivity. Standard Package: 100 gloves per box.



Item #	Description	Qty
GLOV-MFMO-150M	Latex Lightly Powdered Standard Cuff Medium Gloves	1/10
GLOV-MFMO-150L	Latex Lightly Powdered Standard Cuff Large Gloves	1/10
GLOV-MFMO-150XL	Latex Lightly Powdered Standard Cuff X-Large Gloves	1/10

SafeGrip® Gloves

- ❖ Provides extra coverage over the wrist and forearm help enhance safety & security. Standard Package: 50 gloves per box.



Item #	Description	Qty
GLOV-MFSG-375M	Latex Powder-Free Extended Cuff Medium Gloves	1/10
GLOV-MFSG-375L	Latex Powder Free Extended Cuff Large Gloves	1/10
GLOV-MFSG-375XL	Latex Powder Free Extended Cuff X-Large Gloves	1/10

Diamond Grip™ Gloves

- ❖ Recommended for working with utensils and instruments in mid-duty to heavy-duty environments. Standard Package: 100 gloves per box.



Item #	Description	Qty
GLOV-MFMF-300S	Latex Powder-Free Standard Cuff Small Gloves	1/10
GLOV-MFMF-300M	Latex Powder-Free Standard Cuff Medium Gloves	1/10
GLOV-MFMF-300L	Latex Powder-Free Standard Cuff Large Gloves	1/10
GLOV-MFMF-300XL	Latex Powder-Free Standard Cuff X-Large Gloves	1/10

Hand Protection (continued)

**MidKnight™ Gloves**

- ❖ Provides an exceptional balance of performance, comfort and durability.
- Standard Package: 100 gloves per box.

Item #	Description	Qty
GLOV-MFMK-296L	Nitrile Powder-Free Black Large Gloves	1/10
GLOV-MFMK-296XL	Nitrile Powder-Free Black X-Large Gloves	1/10
GLOV-MFMK-296XX	Nitrile Powder-Free Black XX-Large Gloves	1/10

**Nitron One® Gloves**

- ❖ Fully textured for a secure grip in wet and dry conditions. Thickest at the palm and fingers for increased protection. Standard Package: 100 gloves per box.

Item #	Description	Qty
GLOV-MFNO-123S	Nitrile Lightly Powdered Standard Cuff Small Gloves	1/10
GLOV-MFNO-123M	Nitrile Lightly Powdered Standard Cuff Medium Gloves	1/10
GLOV-MFNO-123L	Nitrile Lightly Powdered Standard Cuff Large Gloves	1/10
GLOV-MFNO-123XL	Nitrile Lightly Powdered Standard Cuff X-Large Gloves	1/10

**Supreno®SE Gloves**

- ❖ Recommended for use when strength and protection are of great importance and when working in environments that demand consistent grip and reliability.
- Standard Package: 100 gloves per box.

Item #	Description	Qty
GLOV-MFSU-690M	Nitrile Powder-Free Standard Cuff Medium Gloves	1/10
GLOV-MFSU-690L	Nitrile Powder-Free Standard Cuff Large Gloves	1/10
GLOV-MFSU-690XL	Nitrile Powder-Free Standard Cuff X-Large Gloves	1/10

**Supreno®EC Gloves**

- ❖ Recommended for use when contact with specific chemicals is a standard activity each day. Standard Package: 50 gloves per box.

Item #	Description	Qty
GLOV-MFSEC-375XL	Nitrile Powder-Free Standard Cuff X-Large Gloves	1/10

Eye Protection



Original Boas® Eye Wear

- ❖ Ultra-cool and ultra-lightweight polycarbonate frames. Wraparound design fits snugly for total optical protection. Lens offers 99% UV protection.

Item #	Description	Qty
ERB-15280	Smoke Temple/Smoke Frame/Smoke Lens	1/12
ERB-15406	Brown Temple/Brown Frame/Silver Mirror Lens	1/12



Sports Boas® Eye Wear

- ❖ Traditional temples have been replaced with an elastic band. Brow and nosepiece are cushioned with a soft gel. Lens offers 99% UV protection.

Item #	Description	Qty
ERB-16402	Gray Frame/Anti-Fog Amber Lens	1/12



Economy RainBoas® Eye Wear

- ❖ Great style and fit with an uncoated frames. Wraparound design fits snugly for total optical protection. Lens offers 99% UV protection.

Item #	Description	Qty
ERB-16327	Blue Temple/Blue Frame/Blue Lens	1/12



Economy Boas® Eye Wear

- ❖ Great style and fit with an uncoated frames. Wraparound design fits snugly for total optical protection. Lens offers 99% UV protection.

Item #	Description	Qty
ERB-15300	Clear Temple/Clear Frame/Clear Lens	1/12
ERB-15301	Smoke Temple/Smoke Frame/Smoke Lens	1/12



Soft Tip Boas® Eye Wear

- ❖ Great style and fit with an uncoated frames. Wraparound design fits snugly for total optical protection. Lens offers 99% UV protection.

Item #	Description	Qty
ERB-15266	Clear Temple/In-Out Mirror Frame/In-Out Mirror Lens	1/12



Exile™ Eye Wear

- ❖ Rugged design and hard coated polycarbonate lens offers 99% UV protection, scratch resistance and are treated with an anti-fog coating.

Item #	Description	Qty
ERB-16835	Black Frame/Copper Mirror Lens	1/12

Eye Protection (continued)

**Keystone® Eye Wear**

- ❖ Transparent frame and polycarbonate lens offers 99% UV protection.

Item #	Description	Qty
ERB-16800	Clear Frame/Clear Lens	1/12

**Sting-Rays® Eye Wear**

- ❖ Lightweight nylon frame. Built-in side shield offers additional protection. 4 position adjustable temples. Offers 99% UV protection.

Item #	Description	Qty
ERB-15200	Plastic Frame/Clear Lens	1/12
ERB-15201	Plastic Frame/Smoke Lens	1/12
ERB-15202	Blue Plastic Frame/Clear Lens	1/12

**Strikers® Eye Wear**

- ❖ Aerodynamic- frameless design. 4 position adjustable temples and soft PVC nose pad for added comfort. Offers 99% UV protection.

Item #	Description	Qty
ERB-15423	Black Frame/Silver Mirror Lens	1/12

**Superbs® Eye Wear**

- ❖ Stylish design and high-gloss finish. Wraparound design and lens shape fits snugly for total optical protection. Offers 99% UV protection.

Item #	Description	Qty
ERB-16500	Blue Frame/Smoke Lens	1/12

**Point® Eye Wear**

- ❖ Stylish design and high-gloss finish. Wraparound design and lens shape fits snugly for total optical protection. Offers 99% UV protection.

Item #	Description	Qty
ERB-16700	Black Frame/Clear Lens	1/12

**Visitor/Utility Spectacles**

- ❖ Can be worn alone or over prescription glasses. Offers 99% UV protection. Spectacle dispenser available: Part # ERB-15711 (12 glasses per dispenser.)

Item #	Description	Qty
ERB-15654	Clear Frame/Clear Lens	1/12

**Sports Strap**

- ❖ Mono slide adjusts for perfect fit. Rubberized sleeves tightly hold glasses.

Item #	Description	Qty
ERB-15320	Black Sports Strap	1/12

Hearing & Face Protection

**3M™ Foam Ear Plugs**

- ❖ Bright orange and hypo-allergenic plugs. Standard Qty: 200 pair per box.

Item #	Description	Qty
3M1100	3M Foam Ear Plugs	1

**3M™ Corded Foam Ear Plugs**

- ❖ Bright orange and hypo-allergenic plugs. Standard Qty: 100 pair per box.

Item #	Description	Qty
3M1110	3M Corded Foam Ear Plugs	1

**3M™ Soft Foam Ear Plugs**

- ❖ Bright orange and hypo-allergenic plugs. Standard Qty: 200 pair per box.

Item #	Description	Qty
3M1120	3M Soft Foam Ear Plugs	1

**3M™ Corded Soft Foam Ear Plugs**

- ❖ Bright orange and hypo-allergenic plugs. Standard Qty: 200 pair per box.

Item #	Description	Qty
3M1130	3M Corded Soft Foam Ear Plugs	1

**E-A-R® Classic® Foam Ear Plugs**

- ❖ Washable slow recovery PVC foam. Standard Qty: 200 pair per box.

Item #	Description	Qty
ERB-14380	E-A-R Classic Foam Ear Plugs	1

**275 Deluxe Ear Muff**

- ❖ Designed for enhanced noise reduction and wearer comfort.

Item #	Description	Qty
ERB-14234	Black 275 Deluxe Ear Muff	1
ERB-14235	Hi-Viz Lime 275 Deluxe Ear Muff	1

**E10 Headgear**

- ❖ "Secure-Fit" Mega Ratchet® & standard pin-locking sizing adjustment.
- ❖ Replacement shield available: part # ERB-65155

Item #	Description	Qty
ERB-65150	Black Ratchet Knob Headgear w/ Shield	1
ERB-65128	Pin-locking Headgear w/ Shield	1

**E12 Deluxe Headgear**

- ❖ Push & turn ratchet sizing adjustment. 4-position locking shield.
- ❖ Replacement shield available: part # ERB-15153

Item #	Description	Qty
ERB-15160	Black Push & Turn Ratchet Headgear w/ Shield	1

